

CDX-MP40

SERVICE MANUAL

Ver 1.0 2003. 01

US Model
Canadian Model
AEP Model
UK Model



- The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (US Model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
23.2 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 5% total harmonic distortion.

CD player section

Signal-to-noise ratio 90 dB
Frequency response 10 – 20,000 Hz
Wow and flutter Below measurable limit

Tuner section

FM
Tuning range 87.5 – 107.9 MHz (US, Canadian Model)
87.5 – 108.0 MHz (AEP, UK Model)
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz/450 kHz
Usable sensitivity 9 dBf
Selectivity 75 dB at 400 kHz
Signal-to-noise ratio 67 dB (stereo),
69 dB (mono)
Harmonic distortion at 1 kHz
0.5% (stereo),
0.3% (mono)
Separation 35 dB at 1 kHz
Frequency response 30 – 15,000 Hz

AM (US, Canadian Model)

Tuning range 530 – 1,710 kHz
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz/450 kHz
Sensitivity 30 μ V

MW/LW (AEP, UK Model)

Tuning range MW : 531 – 1,602 kHz
LW : 153 – 279 kHz
Aerial terminal External aerial connector
Intermediate frequency 10.7 MHz/450 kHz
Sensitivity MW : 30 μ V
LW : 40 μ V

Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MG-393MC-121
Optical Pick-up Name	KSS-721A

SPECIFICATIONS

Power amplifier section

Outputs Speaker outputs
(sure seal connectors)
4 – 8 ohms
Speaker impedance 4 – 8 ohms
Maximum power output 52 W \times 4 (at 4 ohms) (US, Canadian Model)
50 W \times 4 (at 4 ohms) (AEP, UK Model)

General

Outputs Audio outputs (front/rear)
Power antenna relay control terminal
Power amplifier control terminal
Inputs Telephone ATT control terminal
BUS control input terminal
BUS audio input terminal
Remote controller input terminal
Antenna input terminal
Tone controls Low: ± 10 dB at 60 Hz (XPL0D)
Mid: ± 10 dB at 1 kHz (XPL0D)
High: ± 10 dB at 10 kHz (XPL0D)

– Continued on next page –

FM/AM COMPACT DISC PLAYER

US, Canadian Model

FM/MW/LW COMPACT DISC PLAYER

AEP, UK Model

9-877-000-01

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Sony Corporation

e Vehicle Company

Published by Sony Engineering Corporation

SONY®

CDX-MP40

Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 50 × 180 mm (7 1/8 × 2 × 7 1/8 in.) (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 161 mm (7 1/4 × 2 1/8 × 6 3/8 in.) (w/h/d)
Mass	Approx. 1.2 kg (2 lb. 10 oz.)
Supplied accessories	Parts for installation and connections Front panel case (1) Card remote commander RM-X115

Note

This unit cannot be connected to a digital preamplifier or an equalizer which is Sony BUS system compatible.

Design and specifications are subject to change without notice.

SERVICE NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

TEST DISCS

This set can playback CD-R and CD-ROM discs. The following test discs should be used to check the capability:

CD-R test disc TCD-R082LMT (Part No. J-2502-063-1)

CD-RW test disc TCD-W082L (Part No. J-2502-063-2)

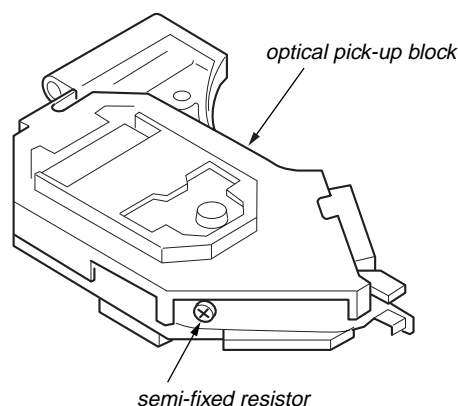
- US, Canadian model

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

If the optical pick-up block is defective, please replace the whole optical pick-up block.

Never turn the semi-fixed resistor located at the side of optical pick-up block.



- AEP, UK model

**CLASS 1
LASER PRODUCT**

This label is located on the bottom of the chassis.

**CAUTION—INVISIBLE LASER RADIATION WHEN OPEN
DO NOT STARE INTO BEAM OR
VIEW DIRECTLY WITH OPTICAL INSTRUMENTS**

This label is located on the drive unit's internal chassis.

SAFETY-RELATED COMPONENT WARNING!!







COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Notes on CD-Rs (recordable CDs)/CD-RWs (rewritable CDs)

This unit can play the following discs:

Type of discs	Label on the disc
Audio CD	 
MP3 files	   

- Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
- You cannot play a CD-R/CD-RW that is not finalized*.
- You can play MP3 files recorded on CD-ROMs, CD-Rs, and CD-RWs.
- A CD-R/CD-RW to which a session can be added can be played.

* A process necessary for a recorded CD-R/CD-RW disc to be played on the audio CD player.

EXTENSION CABLE AND SERVICE POSITION

When repairing or servicing this set, connect the jig (extension cable) as shown below.

- Connect the MAIN board (CNP701) and the SERVO board (CN1) with the extension cable (Part No. J-2502-062-1).

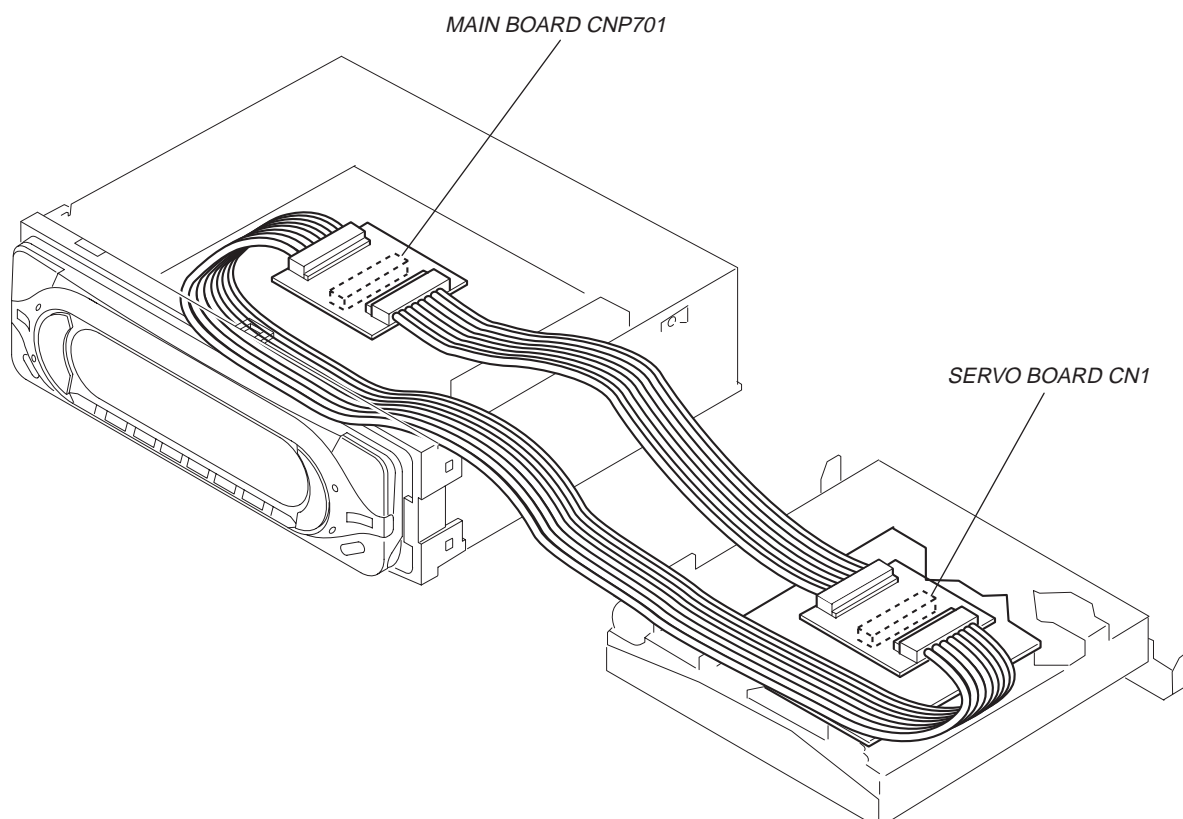


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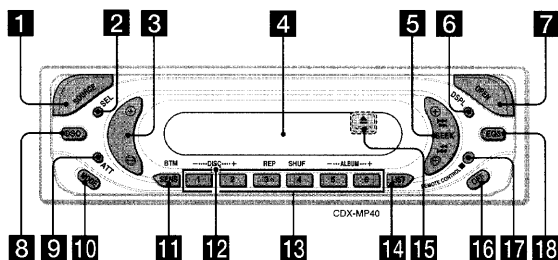
5. ELECTRICAL PARTS LIST

SECTION 1 GENERAL

This section is extracted from instruction manual.

Location of controls (US, Canadian Model)

Refer to the pages listed for details.



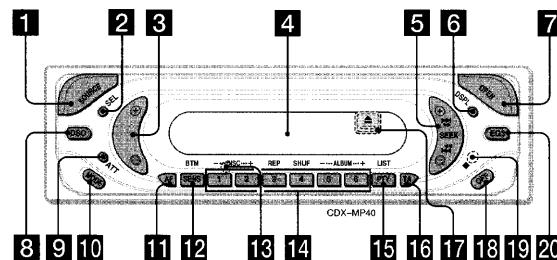
- 1 SOURCE (Power on/Radio/CD/MD) button**
Selecting the source.
- 2 SEL (select) button**
Selecting items.
- 3 Volume +/- button**
- 4 Display window**
- 5 SEEK +/- button**
Radio:
Tuning in stations automatically/finding a station manually.
CD (MP3 files)/MD:
Skipping tracks/fast-forwarding, reversing a track.
- 6 DSPL (display mode change) button**
10, 12, 14, 17
- 7 OPEN button** 9, 11
- 8 DSO button** 21
- 9 ATT (attenuate) button** 19
- 10 MODE button**
Changing the operation.
- 11 SENS/BTM button** 15, 16
- 12 RESET button** (located on the front side of the unit, behind the front panel) 9

- 13 Number buttons** 20
Radio:
Storing the desired station on each number button.
CD/MD:
①: DISC - 11
②: DISC + 11
③: REP 12
④: SHUF 13
MP3 files:
⑤: ALBUM - 11
⑥: ALBUM + 11
- 14 LIST button** 13, 14, 16, 17
- 15 (eject) button** (located on the front side of the unit, behind the front panel) 11
- 16 OFF (Stop/Power off) button***1 9, 11
- 17 Receptor for the card remote commander**
- 18 EQ3 button** 20

*1 **Warning when installing in a car without an ACC (accessory) position on the ignition switch**
After turning off the ignition, be sure to press and hold (OFF) on the unit until the display disappears.
Otherwise, the display does not turn off and this causes battery drain.

Location of controls (AEP, UK Model)

Refer to the pages listed for details.



- 1 SOURCE (Power on/Radio/CD/MD) button**
Selecting the source.
- 2 SEL (select) button**
Selecting items.
- 3 Volume +/- button**
- 4 Display window**
- 5 SEEK +/- button**
Radio:
Tuning in stations automatically/finding a station manually.
CD (MP3 files)/MD:
Skipping tracks/fast-forwarding, reversing a track.
- 6 DSPL (display mode change) button**
10, 12, 14, 16
- 7 OPEN button** 9, 11
- 8 DSO button** 23
- 9 ATT (attenuate) button** 22
- 10 MODE button**
Changing the operation.
- 11 AF button** 17, 18
- 12 SENS/BTM button** 15, 16, 18
- 13 RESET button** (located on the front side of the unit, behind the front panel) 9

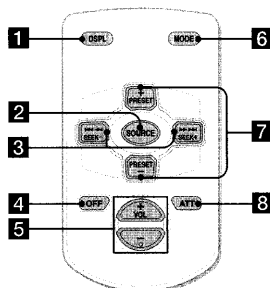
- 14 Number buttons** 22
Radio:
Storing the desired station on each number button.
CD/MD:
①: DISC - 11
②: DISC + 11
③: REP 12
④: SHUF 13
MP3 files:
⑤: ALBUM - 11
⑥: ALBUM + 11
- 15 PTY (programme type)/LIST button**
13, 14, 19
- 16 TA button** 18
- 17 (eject) button** (located on the front side of the unit, behind the front panel) 11
- 18 OFF (Stop/Power off) button***1 9, 11
- 19 Receptor for the card remote commander**
- 20 EQ3 button** 23

*1 **Warning when installing in a car without an ACC (accessory) position on the ignition switch**
After turning off the ignition, be sure to press and hold (OFF) on the unit until the display disappears.
Otherwise, the display does not turn off and this causes battery drain.

4

4

Card remote commander RM-X115



The corresponding buttons of the card remote commander control the same functions as those on this unit.

- 1 DSPL button**
- 2 SOURCE button**
- 3 SEEK (+/-) buttons**
- 4 OFF button**
- 5 VOL (+/-) buttons**
- 6 MODE button**
- 7 DISC/ALBUM (+/-) buttons**
- 8 ATT button**

Note
If the display disappears by pressing (OFF), it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

Tip
Refer to "Replacing the lithium battery" for details on how to replace the batteries (page 22).

Selecting a disc and album with the card remote commander

Disc and album can be skipped using the DISC/ALBUM (+/-) buttons on the card remote commander.

(With this unit)

To	Press
Skip albums*	+ or - [once for each album]
- Album selection	To continuously skip albums, press and hold either button.

(With optional unit)

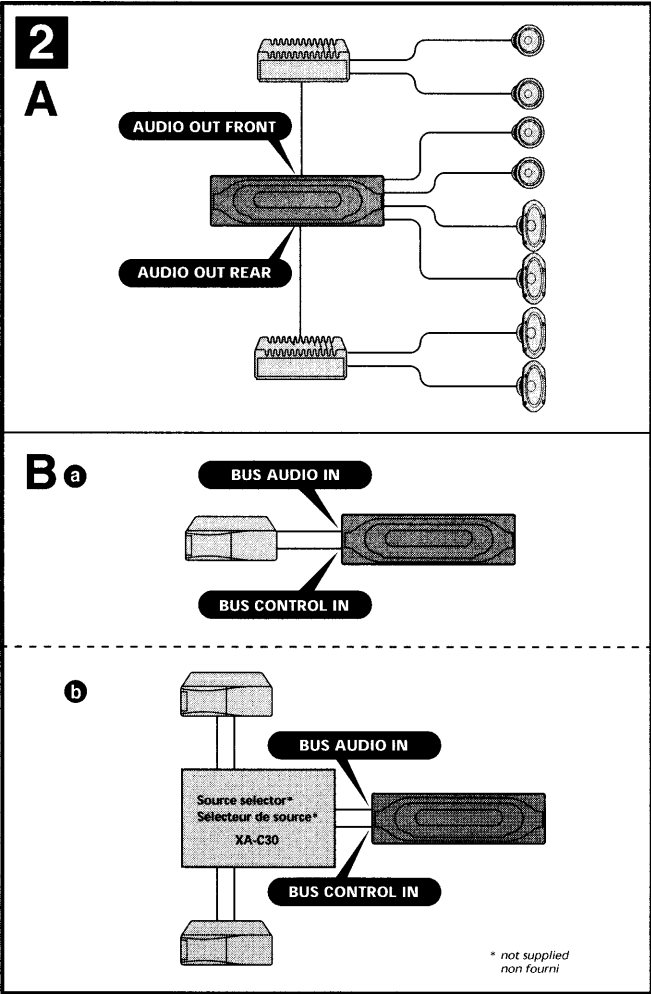
To	Press
Skip discs	+ or - [once for each disc]
- Disc selection	To continuously skip discs, press once and press again within 2 seconds (and hold) either button.
Skip albums*	+ or - [hold for a moment]
- Album selection	To continuously skip albums, press (and hold) within 2 seconds of first releasing the button.

* Available only when an MP3 file is played.

Skipping tracks continuously

Press once (SEEK) (+) or (SEEK) (-) on the card remote commander, then press again within 2 seconds and hold.

Connections (US, Canadian Model)



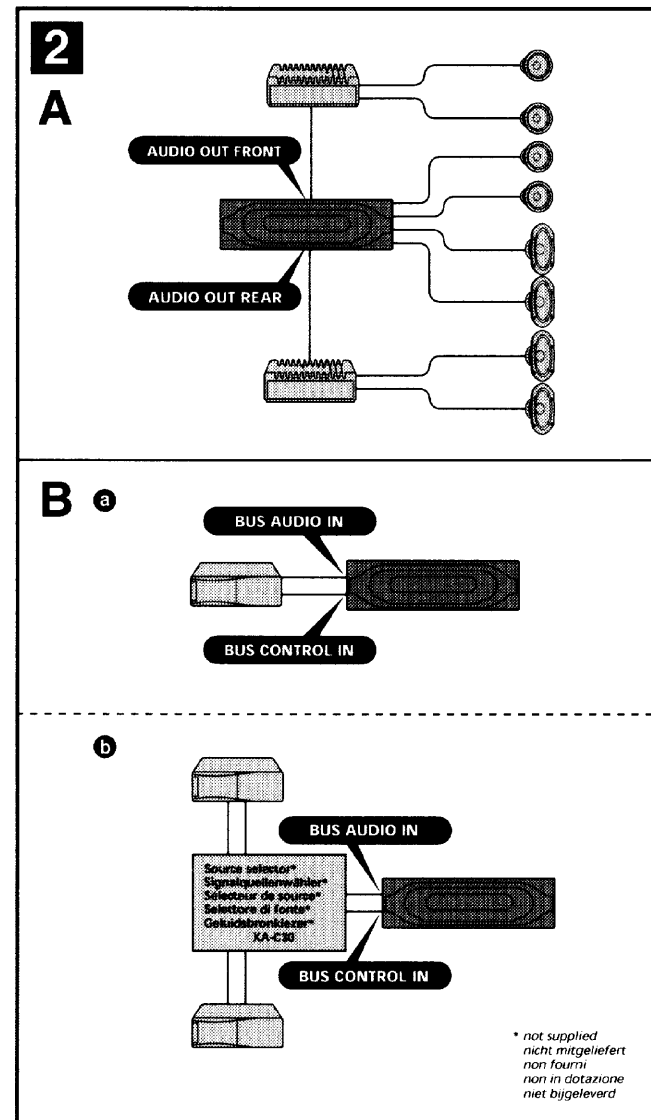
Connection example (2)

- Notes (2-A)**
- Be sure to connect the ground cord before connecting the amplifier.
 - If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.
- Tip (2-B-①)**
- For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Exemple de raccordement (2)

- Remarques (2-A)**
- Raccordez d'abord le fil de masse avant de raccorder l'amplificateur.
 - Si vous raccordez un amplificateur de puissance en option et que vous n'utilisez pas l'amplificateur intégré, le bip sonore est désactivé.
- Conseil (2-B-①)**
- Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (en option) est requis.

Connections (AEP, UK Model)



Connection example (2)

- Notes (2-A)**
- Be sure to connect the earth cord before connecting the amplifier.
 - If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

Tip (2-B-1)
For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Anschlussbeispiel (2)

- Hinweise (2-A)**
- Schließen Sie unbedingt zuerst das Massekabel an, bevor Sie den Verstärker anschließen.
 - Wenn Sie einen gesondert erhältlichen Endverstärker anschließen und den integrierten Verstärker nicht benutzen, wird der Signalton deaktiviert.

Tipp (2-B-1)
Zum Anschließen von zwei oder mehr CD/MD-Wechslern wird der gesondert erhältliche Signalquellenwähler XA-C30 benötigt.

Exemple de raccordement (2)

- Remarques (2-A)**
- Raccordez d'abord le fil de masse avant de connecter l'amplificateur.
 - Si vous raccordez un amplificateur de puissance en option et que vous n'utilisez pas l'amplificateur intégré, le bip sonore est désactivé.

Conseil (2-B-1)
Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (en option) est indispensable.

Esempi di collegamento (2)

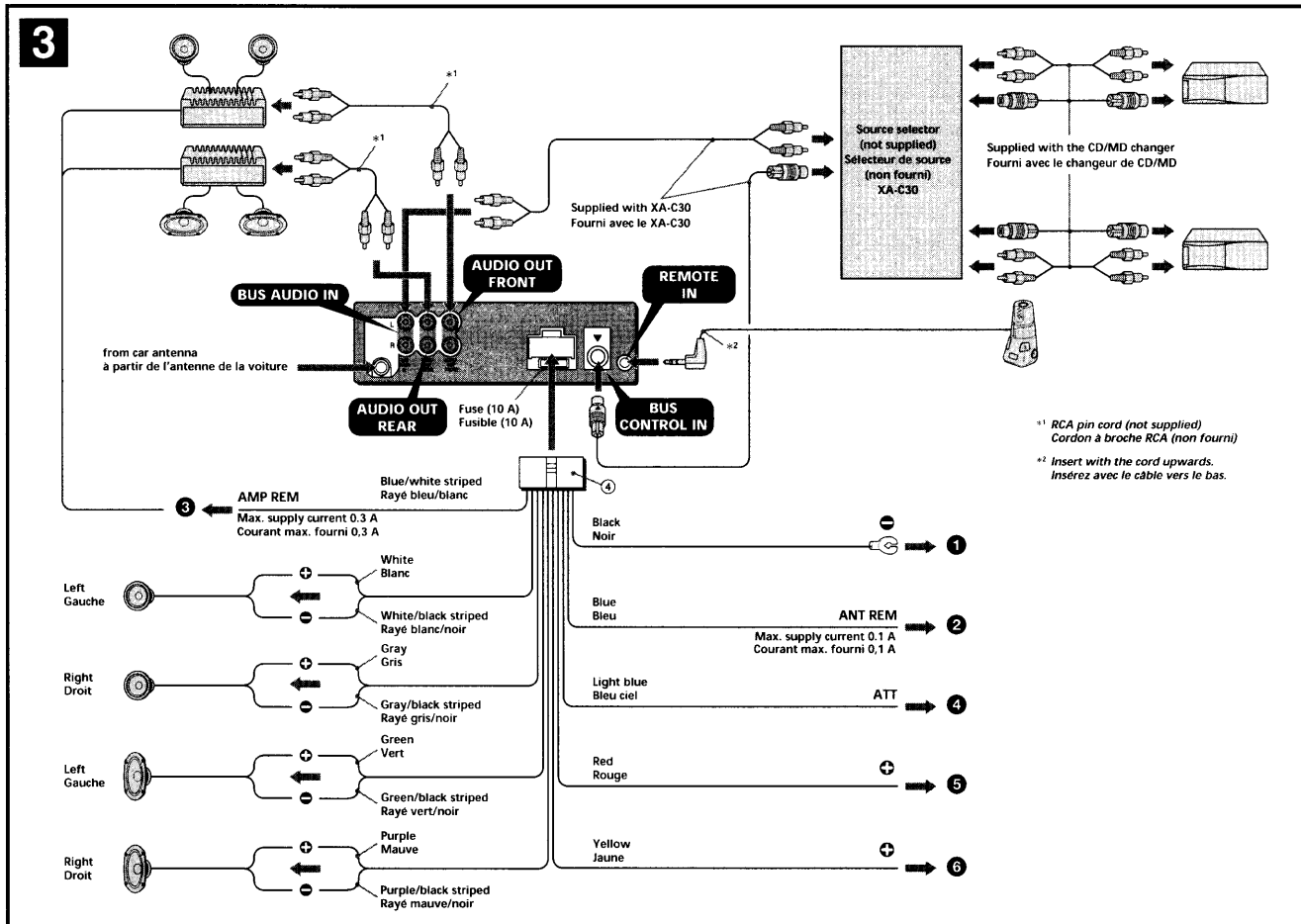
- Note (2-A)**
- Assicurarsi di collegare il cavo di terra prima di collegare l'apparecchio all'amplificatore.
 - Se si collega un amplificatore di potenza opzionale e non si utilizza l'amplificatore incorporato, il segnale acustico verrà disattivato.

Suggerimento (2-B-1)
Per collegare due o più cambi CD/MD, si deve utilizzare il selettore di fonte XA-C30 (opzionale).

Voorbeeldaansluitingen (2)

- Opmerkingen (2-A)**
- Sluit eerst de massakabel aan alvorens de versterker aan te sluiten.
 - Als u een los verkrijgbare vermogensversterker aansluit en de ingebouwde versterker niet gebruikt, is de pieptoon uitgeschakeld.

Tip (2-B-1)
Om twee of meer CD/MD-wisselaars aan te sluiten, hebt u de geluidsbronkiezer XA-C30 (optioneel) nodig.



Connection diagram (3)

- To a metal surface of the car
First connect the black ground lead, then connect the yellow and red power input leads.
- To the power antenna control lead or power supply lead of antenna booster amplifier
Notes
 - It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.
 - When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."
- To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.
- To the interface cable of a car telephone
- To the +12 V power terminal which is energized in the accessory position of the ignition key switch
Notes
 - If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.
 - Be sure to connect the black ground lead to a metal surface of the car first.
 - When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."
- To the +12 V power terminal which is energized at all times
Be sure to connect the black ground lead to a metal surface of the car first.

Notes on the control and power supply leads

- The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner.
- When your car has built-in FM/AM antenna in the rear/side glass, connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.
- A power antenna without relay box cannot be used with this unit.

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

- Notes on speaker connection**
- Before connecting the speakers, turn the unit off.
 - Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.
 - Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.
 - Do not connect the ground lead of this unit to the negative (-) terminal of the speaker.
 - Do not attempt to connect the speakers in parallel.
 - Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.
 - To avoid a malfunction, do not use the built-in speaker wires installed in your car if the unit shares a common negative (-) lead for the right and left speakers.
 - Do not connect the unit's speaker cords to each other.

Schéma de raccordement (3)

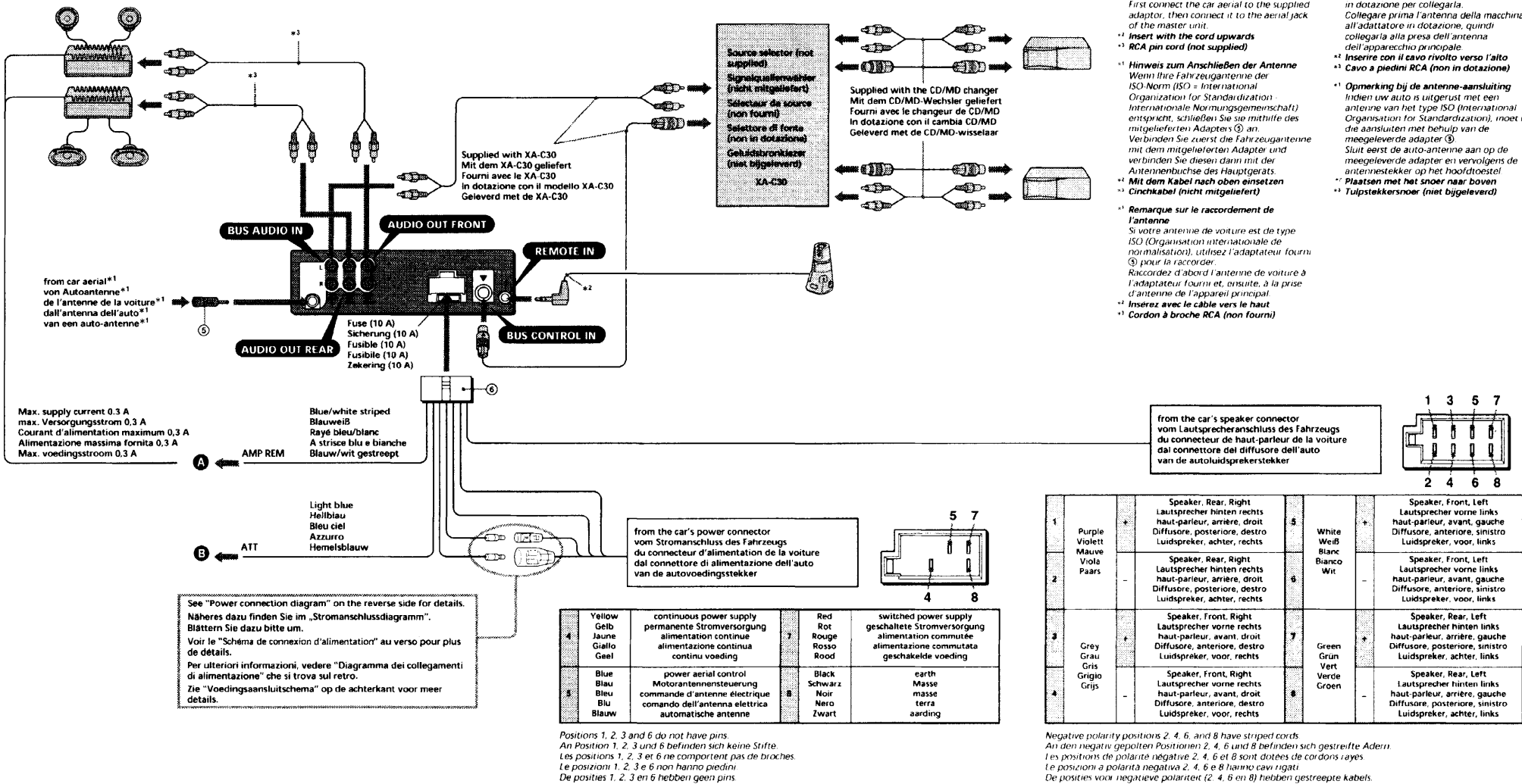
- A un point métallique de la voiture
Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation jaune et rouge.
- Vers le fil de commande de l'antenne électrique ou le fil d'alimentation de l'amplificateur d'antenne
Remarques
 - Il n'est pas nécessaire de raccorder ce fil s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.
 - Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, voir "Remarques sur les fils de commande et d'alimentation".
- Au niveau du AMP REMOTE IN de l'amplificateur de puissance en option
Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.
- Vers le cordon de liaison d'un téléphone de voiture
- À la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires
Remarques
 - S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est alimentée en permanence.
 - Raccordez d'abord le fil de masse noir à un point métallique de la voiture.
 - Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, voir "Remarques sur les fils de commande et d'alimentation".
- À la borne +12 V qui est alimentée en permanence
Raccordez d'abord le fil de masse noir à un point métallique de la voiture.

Remarques sur les fils de commande et d'alimentation

- Le fil de commande de l'antenne électrique (bleu) fournit une alimentation de +12 V CC lorsque vous mettez la radio sous tension.
- Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, raccordez la sortie de commande de l'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.
- Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.

Raccordement pour la conservation de la mémoire
Lorsque le fil d'entrée d'alimentation jaune est raccorder, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

- Remarques sur le raccordement des haut-parleurs**
- Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
 - Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.
 - Ne raccordez pas les bornes du système de haut-parleur au châssis de la voiture et ne raccordez pas les bornes du haut-parleur droit à celles du haut-parleur gauche.
 - Ne raccordez pas le câble de masse de cet appareil à la borne négative (-) de l'enceinte.
 - N'essayez pas de raccorder les haut-parleurs en parallèle.
 - Raccordez uniquement des haut-parleurs passifs. Le raccordement de haut-parleurs actifs (avec amplificateurs intégrés) aux bornes des haut-parleurs peut endommager l'appareil.
 - Pour éviter tout dysfonctionnement, n'utilisez pas les fils des haut-parleurs intégrés installés dans votre voiture si l'appareil partage un fil négatif commun (-) pour les haut-parleurs droit et gauche.
 - Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.



Connection diagram (3)

- A To AMP REMOTE IN of an optional power amplifier**
This connection is only for amplifiers. Connecting any other system may damage the unit.
- B To the interface cable of a car telephone**

Warning

If you have a power aerial without a relay box, connecting this unit with the supplied power connecting cord ⑤ may damage the aerial.

Notes on the control leads

- The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner or when you activate the AF (Alternative Frequency), TA (Traffic Announcement) function.
- When your car has built-in FM/AM/LW aerial in the rear/side glass, connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details consult your dealer.
- A power aerial without a relay box cannot be used with this unit.

Memory hold connection

When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.
- Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.
- Do not connect the earth lead of this unit to the negative (-) terminal of the speaker.
- Do not attempt to connect the speakers in parallel.
- Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.
- To avoid a malfunction, do not use the built-in speaker wires installed in your car if the unit shares a common negative (-) lead for the right and left speakers.
- Do not connect the unit's speaker cords to each other.

Anschlussdiagramm (3)

- A An AMP REMOTE IN des gesondert erhältlichen Endverstärkers**
Dieser Anschluss ist ausschließlich für Verstärker gedacht. Schließen Sie nichts anderes daran. Andernfalls kann das Gerät beschädigt werden.
- B An Schnittstellenkabel eines Autotelefons**

Warning

Wenn Sie eine Motorantenne ohne Relaiskasten verwenden, kann durch Anschließen dieses Geräts mit dem mitgelieferten Stromversorgungskabel ⑤ die Antenne beschädigt werden.

Hinweise zum Steuerleitungen

- Die Motorantennen-Steuerleitung (blau) liefert +12 V Gleichstrom, wenn Sie den Tuner einschalten oder die AF- (Alternativfrequenzsuche) oder die TA-Funktion (Verkehrsdurchsagen) aktivieren.
- Wenn das Fahrzeug mit einer in der Heck-/Seitenfensterscheibe integrierten FM (UKW)/MW/LW-Antenne ausgestattet ist, schließen Sie die Motorantennen-Steuerleitung (blau) oder die Zubehörstromversorgungsleitung (rot) an den Stromversorgungsanschluss des vorhandenen Antennenverstärkers an. Näheres dazu erfahren Sie bei Ihrem Händler.
- Es kann nur eine Motorantenne mit Relaiskasten angeschlossen werden.

Stromversorgung des Speichers

Wenn die gelbe Stromversorgungsleitung angeschlossen ist, wird der Speicher stets (auch bei ausgeschalteter Zündung) mit Strom versorgt.

Hinweise zum Lautsprecheranschluss

- Schalten Sie das Gerät aus, bevor Sie die Lautsprecher anschließen.
- Verwenden Sie Lautsprecher mit einer Impedanz zwischen 4 und 8 Ohm und ausreichender Belastbarkeit. Ansonsten können die Lautsprecher beschädigt werden.
- Verbinden Sie die Lautsprecheranschlüsse nicht mit dem Wagenchassis und verbinden Sie auch nicht die Anschlüsse des rechten mit denen des linken Lautspeakers.
- Verbinden Sie die Masseleitung dieses Geräts nicht mit dem negativen (-) Lautsprecheranschluss.
- Versuchen Sie nicht, Lautsprecher parallel anzuschließen.
- An die Lautsprecheranschlüsse dieses Geräts dürfen nur Passivlautsprecher angeschlossen werden. Schließen Sie keine Aktivlautsprecher (Lautsprecher mit eingebauten Verstärkern) an, da das Gerät sonst beschädigt werden könnte.
- Um Fehlfunktionen zu vermeiden, verwenden Sie nicht die im Fahrzeug installierten, integrierten Lautsprecherleitungen, wenn am Ende eine gemeinsame negative (-) Leitung für den rechten und den linken Lautsprecher verwendet wird.
- Verbinden Sie nicht die Lautsprecherkabel des Geräts miteinander.

Schéma de connexion (3)

- A Au niveau du AMP REMOTE IN d'un amplificateur de puissance en option**
Ce raccordement existe seulement pour les amplificateurs. Le raccordement à tout autre système peut endommager l'appareil.
- B Vers le câble d'interface d'un téléphone de voiture**

Avertissement

Si vous disposez d'une antenne électrique sans boîtier de relais, le branchement de cet appareil au moyen du cordon d'alimentation fourni ⑤ risque d'endommager l'antenne.

Remarques sur les fils de commande

- Le fil de commande (bleu) fournit du courant continu de +12 V lorsque vous allumez le sélecteur de canaux ou lorsque vous activez la fonction TA (messages de radioguidage) en AF (fréquence alternative).
- Lorsque votre voiture est équipée d'une antenne FM/MW/LW intégrée dans la vitre arrière/laterale, raccordez le fil de commande de l'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre revendeur.
- Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.

Connexion pour la conservation de la mémoire

Lorsque le fil d'entrée d'alimentation jaune est connecté, le circuit de la mémoire est alimenté en permanence même si la clé de contact est en position d'arrêt.

Remarques sur la connexion des haut-parleurs

- Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
- Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms et une capacité adéquate sous peine de les endommager.
- Ne pas raccorder les bornes du système de haut-parleurs au châssis de la voiture et ne pas connecter les bornes du haut-parleur droit à celles du haut-parleur gauche.
- Ne pas raccorder le câble de masse de cet appareil à la borne négative (-) du haut-parleur.
- Ne pas tenter de raccorder les haut-parleurs en parallèle.
- Ne pas connecter d'enceintes actives (avec amplificateurs intégrés) aux bornes d'enceinte de cet appareil, pour éviter d'endommager l'appareil. Veillez à raccorder des enceintes passives uniquement.
- Pour éviter tout dysfonctionnement, ne pas utiliser pas les fils des haut-parleurs intégrés installés dans votre voiture si l'appareil dispose d'un fil négatif commun (-) pour les haut-parleurs droit et gauche.
- Ne pas raccorder entre eux les cordons des haut-parleurs de l'appareil.

Schema di collegamento (3)

- A AMP REMOTE IN di un amplificatore di potenza opzionale**
Questo collegamento è riservato esclusivamente agli amplificatori. Non collegare un tipo di sistema diverso onde evitare di causare danni all'apparecchio.
- B Al cavo di interfaccia di un telefono per auto**

Avvertenza

Quando si collega l'apparecchio con il cavo di alimentazione in dotazione ⑤, si potrebbe danneggiare l'antenna elettrica se questa non ha la scatola a rele.

Note sui cavi di controllo

- Il filo di comando (blu) fornisce alimentazione pari a +12 V CC quando si attiva il sintonizzatore o le funzioni TA (notiziario sul traffico) e AF (frequenza alternativa).
- Se l'automobile è dotata di antenna FM/MW/LW incorporata nel vetro posteriore/laterale, collegare il cavo (blu) di controllo dell'antenna elettrica o il cavo (rosso) di ingresso dell'alimentazione opzionale al terminale di alimentazione del preamplificatore dell'antenna esistente. Per ulteriori informazioni, consultare il proprio fornitore.
- Non è possibile usare un'antenna elettrica senza scatola a rele con questo apparecchio.

Collegamento per la conservazione della memoria

Quando il cavo di ingresso alimentazione giallo è collegato, viene sempre fornita alimentazione al circuito di memoria anche quando l'interruttore di accensione è spento.

Note sul collegamento dei diffusori

- Prima di collegare i diffusori spegnere l'apparecchio.
- Usare diffusori di impedenza compresa tra 4 e 8 ohm e con capacità di potenza adeguata, onde evitare che vengano danneggiati.
- Non collegare i terminali del sistema diffusori al telaio dell'auto e non collegare i terminali dei diffusori destro a quelli dei diffusori sinistro.
- Non collegare il cavo di terra di questo apparecchio al terminale negativo (-) del diffusore.
- Non collegare i diffusori in parallelo.
- Assicurarsi di collegare soltanto diffusori passivi, poiché il collegamento di diffusori attivi, dotati di amplificatori incorporati, ai terminali dei diffusori potrebbe danneggiare l'apparecchio.
- Per evitare problemi di funzionamento, non utilizzare i cavi dei diffusori incorporati installati nell'automobile se l'apparecchio condivide un cavo comune negativo (-) per i diffusori destro e sinistro.
- Non collegare fra loro i cavi dei diffusori dell'apparecchio.

Aansluitschema (3)

- A Naar AMP REMOTE IN van een los verkrijgbare vermogensversterker**
Deze aansluiting is alleen bedoeld voor versterkers. Door een ander systeem aan te sluiten kan het toestel worden beschadigd.
- B Naar het interface-snoer van een autotelefoon**

Opgelet

Indien u een elektrische antenne heeft zonder relaiskast, kan het aansluiten van deze eenheid met het bijgeleverde netsnoer ⑤ de antenne beschadigen.

Opmerking betreffende de aansluitnoeren

- De antennevoedingskabel (blauw) levert +12 V gelijkstroom wanneer u de tuner aanschakelt of de AF (Alternative Frequency), TA (Traffic Announcement) functie activeert.
- Wanneer uw auto is uitgerust met een FM/MW/LW-antenne in de achteruitvoorrauit, moet u de antennevoedingskabel (blauw) of de hulpvoedingskabel (rood) aansluiten op de voedingsgang van de bestaande antenneversterker. Raadpleeg uw dealer voor meer details.
- Met dit apparaat is het niet mogelijk een automatische antenne zonder relaiskast te gebruiken.

Instandhouden van het geheugen

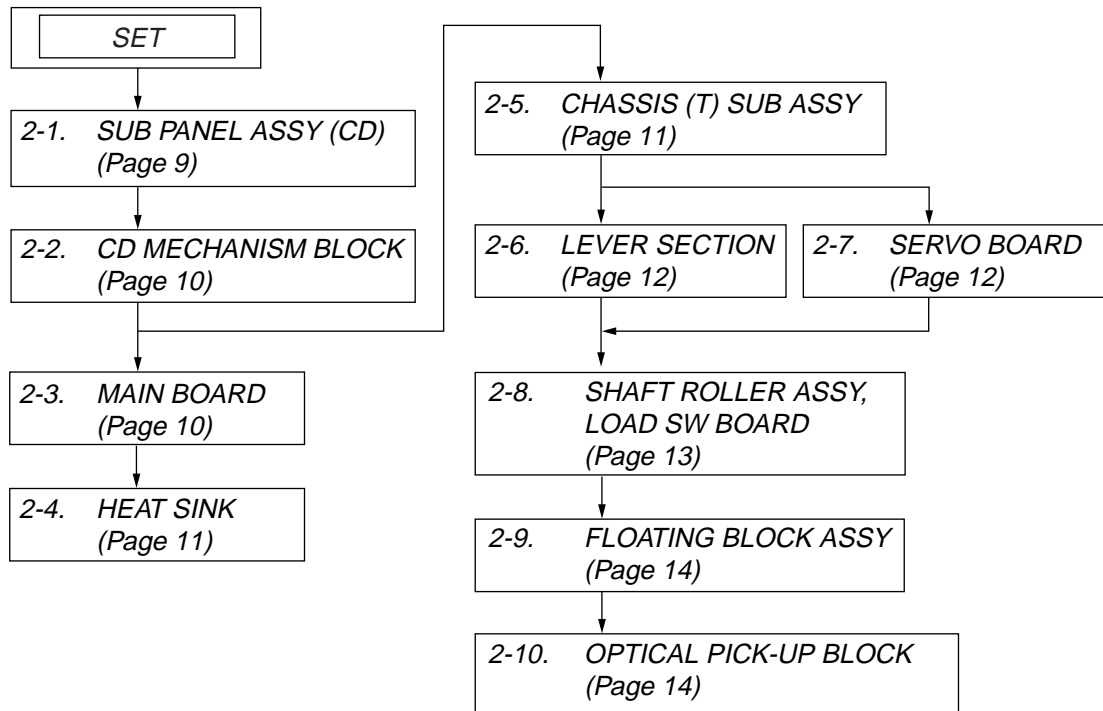
Zolang de gelyke stroomvoeding is aangesloten, blijft de stroomvoeding van het geheugen intact, ook wanneer het contact van de auto wordt uitgeschakeld.

Opmerkingen betreffende het aansluiten van de luidsprekers

- Zorg dat het apparaat is uitgeschakeld, alvorens de luidsprekers aan te sluiten.
- Gebruik luidsprekers met een impedantie van 4 tot 8 Ohm en let op dat die het vermogen van de versterker kunnen verwerken. Als dit wordt verzuimd, kunnen de luidsprekers ernstig beschadigd raken.
- Verbind in geen geval de aansluitingen van de luidsprekers met het chassis van de auto en sluit de aansluitingen van de rechter en linker luidspreker niet op elkaar aan.
- Verbind de massakabel van dit toestel niet met de negatieve (-) aansluiting van de luidspreker.
- Probeer nooit de luidsprekers parallel aan te sluiten.
- Sluit geen actieve luidsprekers (met ingebouwde versterkers) aan op de luidspreker-aansluiting van dit apparaat. Dit zal leiden tot beschadiging van de actieve luidsprekers. Sluit dus altijd uitsluitend luidsprekers zonder ingebouwde versterker aan.
- Om defecten te vermijden mag u de bestaande luidsprekerbedrading in uw auto niet gebruiken wanneer er een gemeenschappelijke negatieve (-) draad is voor de rechter en linker luidsprekers.
- Verbind de luidsprekerdraden niet met elkaar.

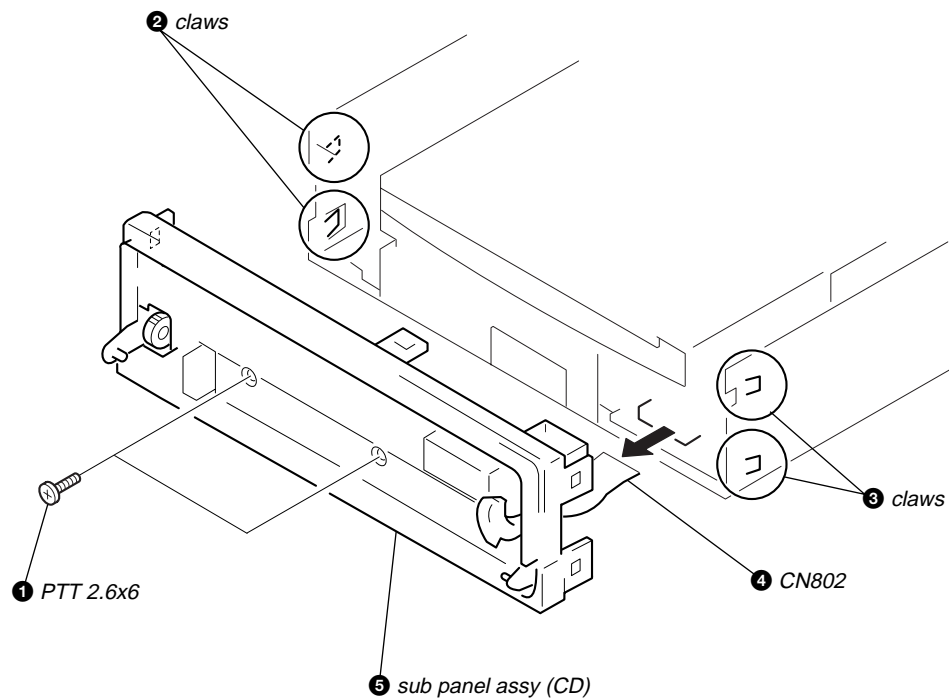
SECTION 2 DISASSEMBLY

Note : This set can be disassemble according to the following sequence.

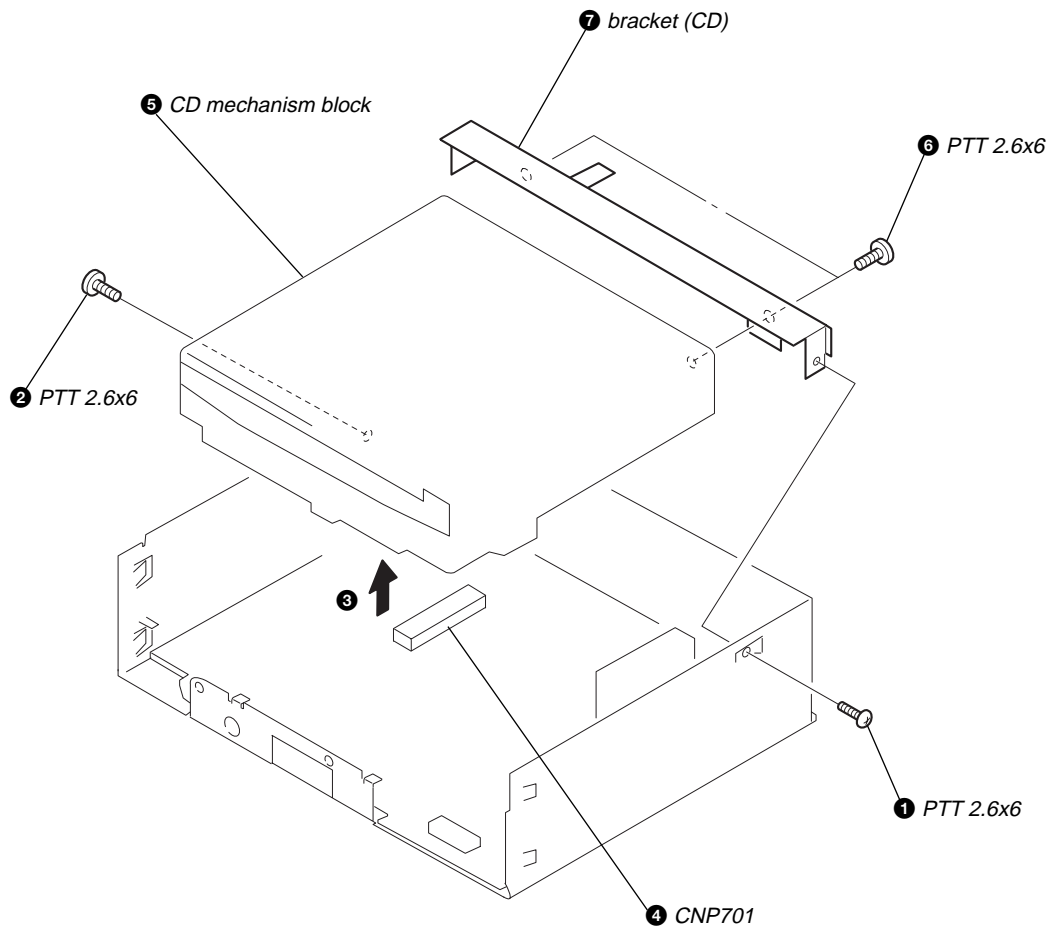


Note : Follow the disassembly procedure in the numerical order given.

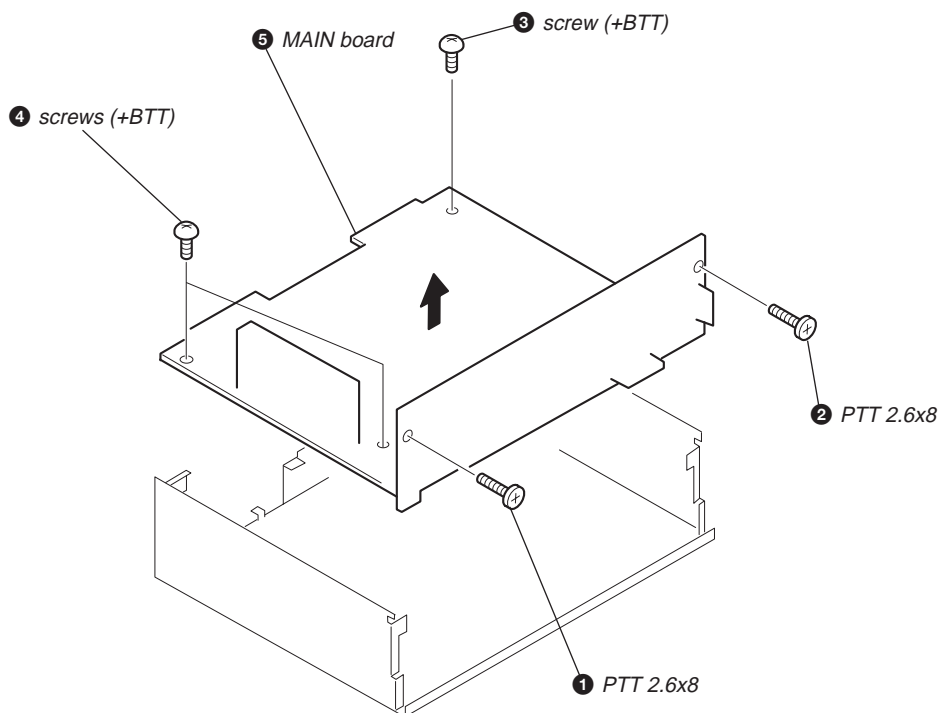
2-1. SUB PANEL ASSY (CD)



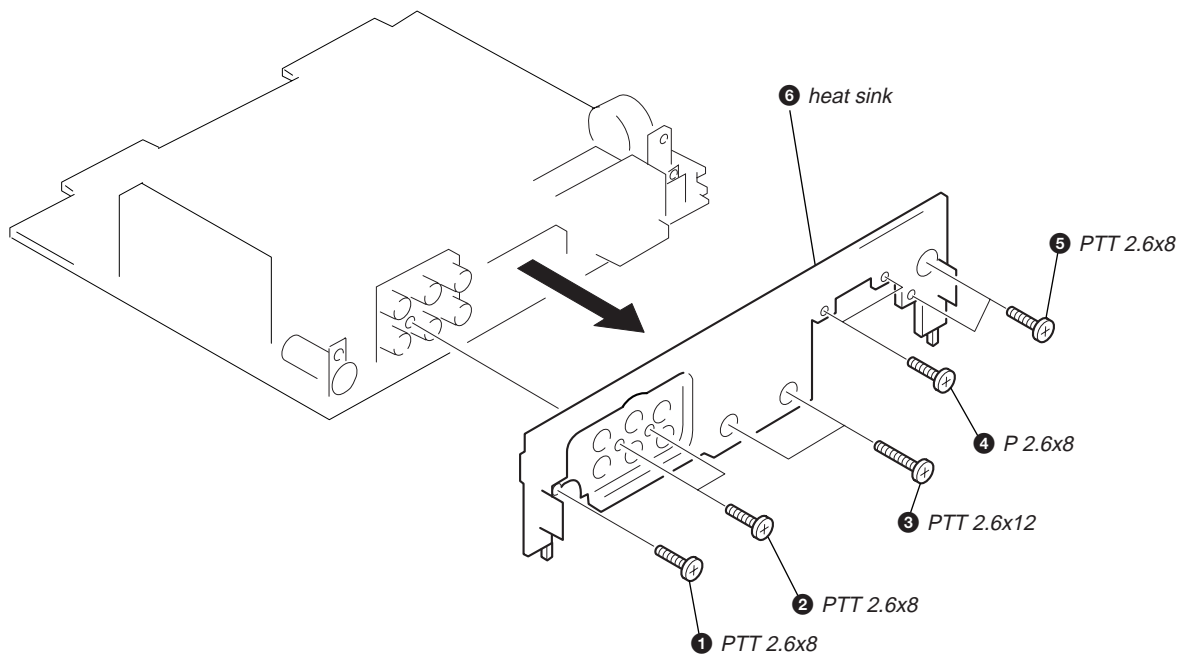
2-2. CD MECHANISM BLOCK



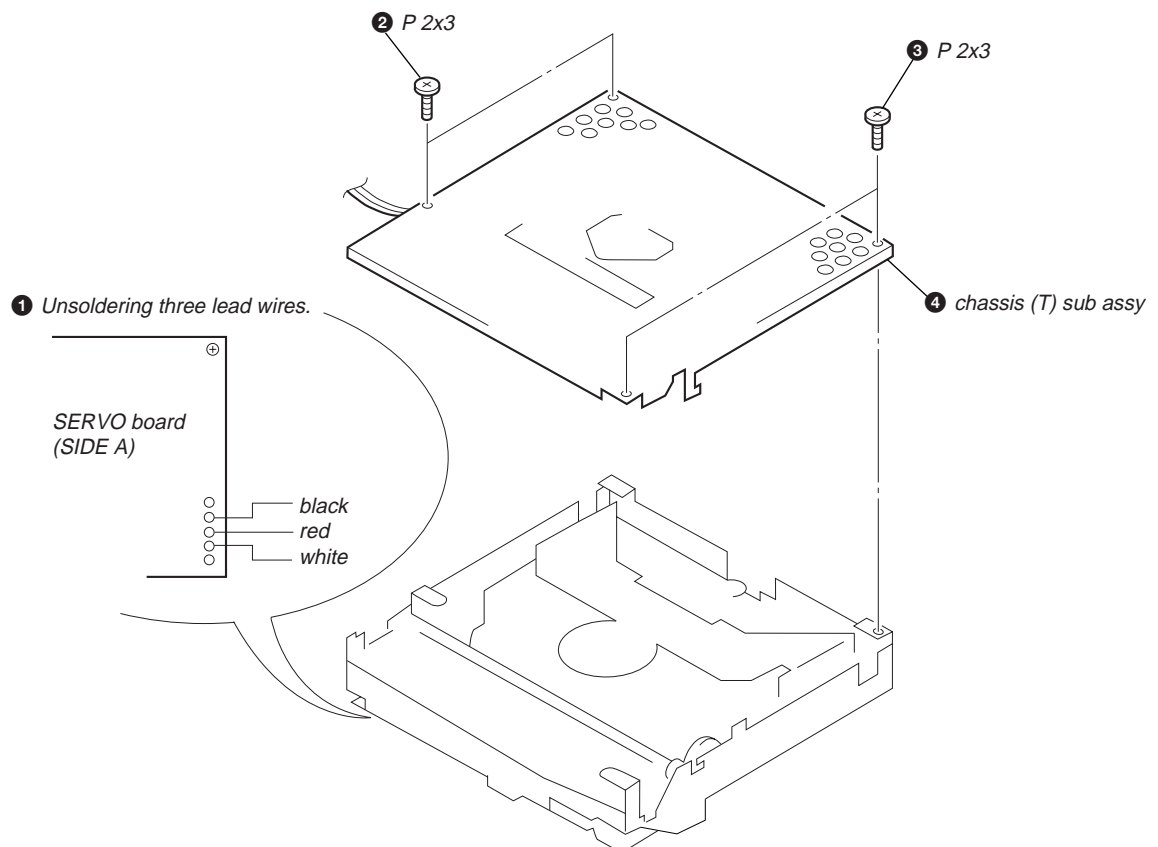
2-3. MAIN BOARD



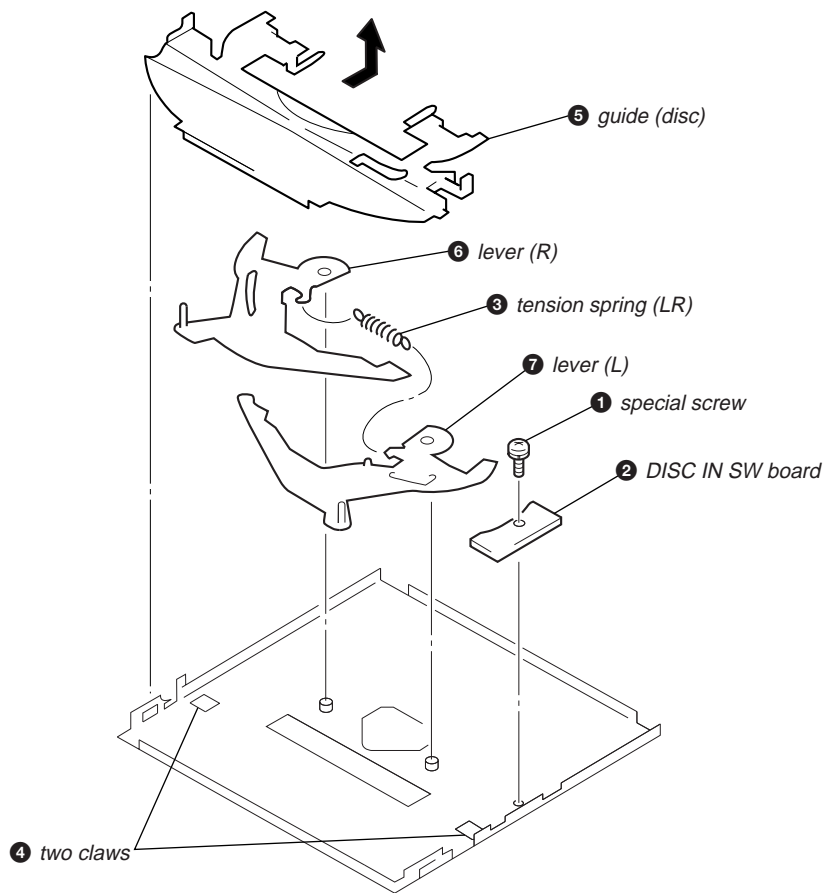
2-4. HEAT SINK



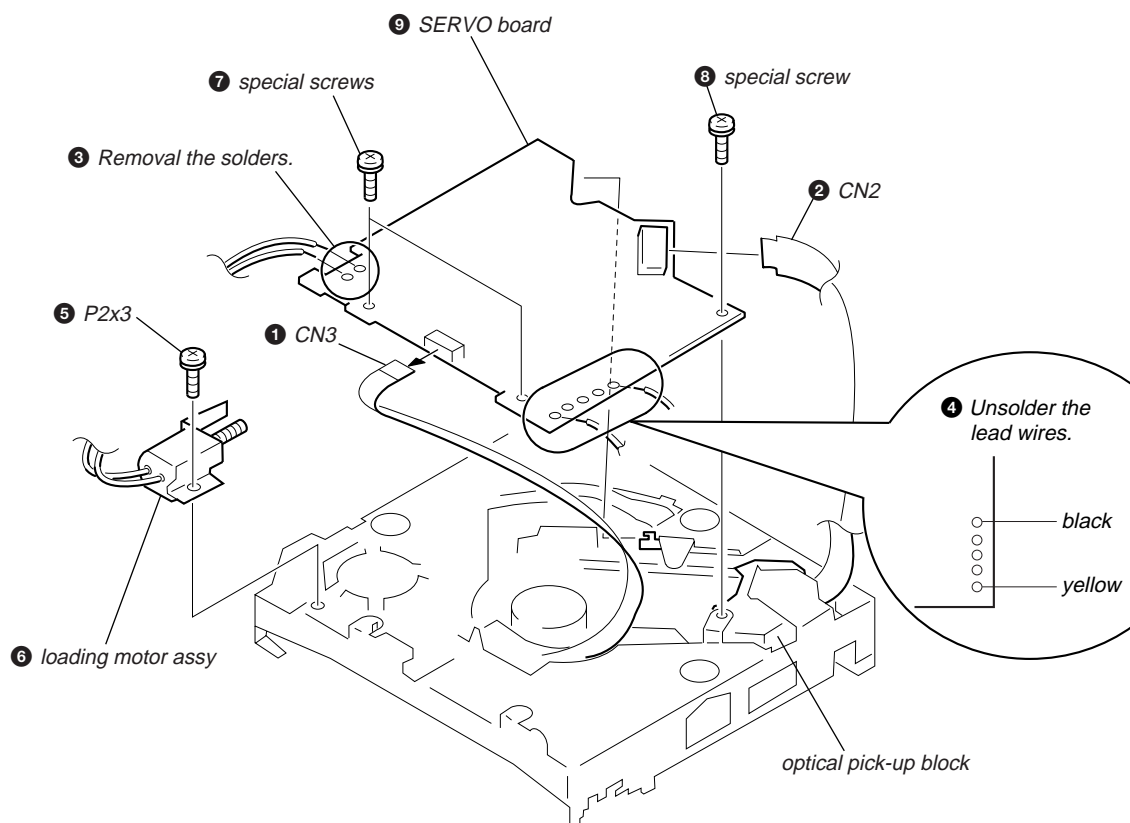
2-5. CHASSIS (T) SUB ASSY



2-6. LEVER SECTION

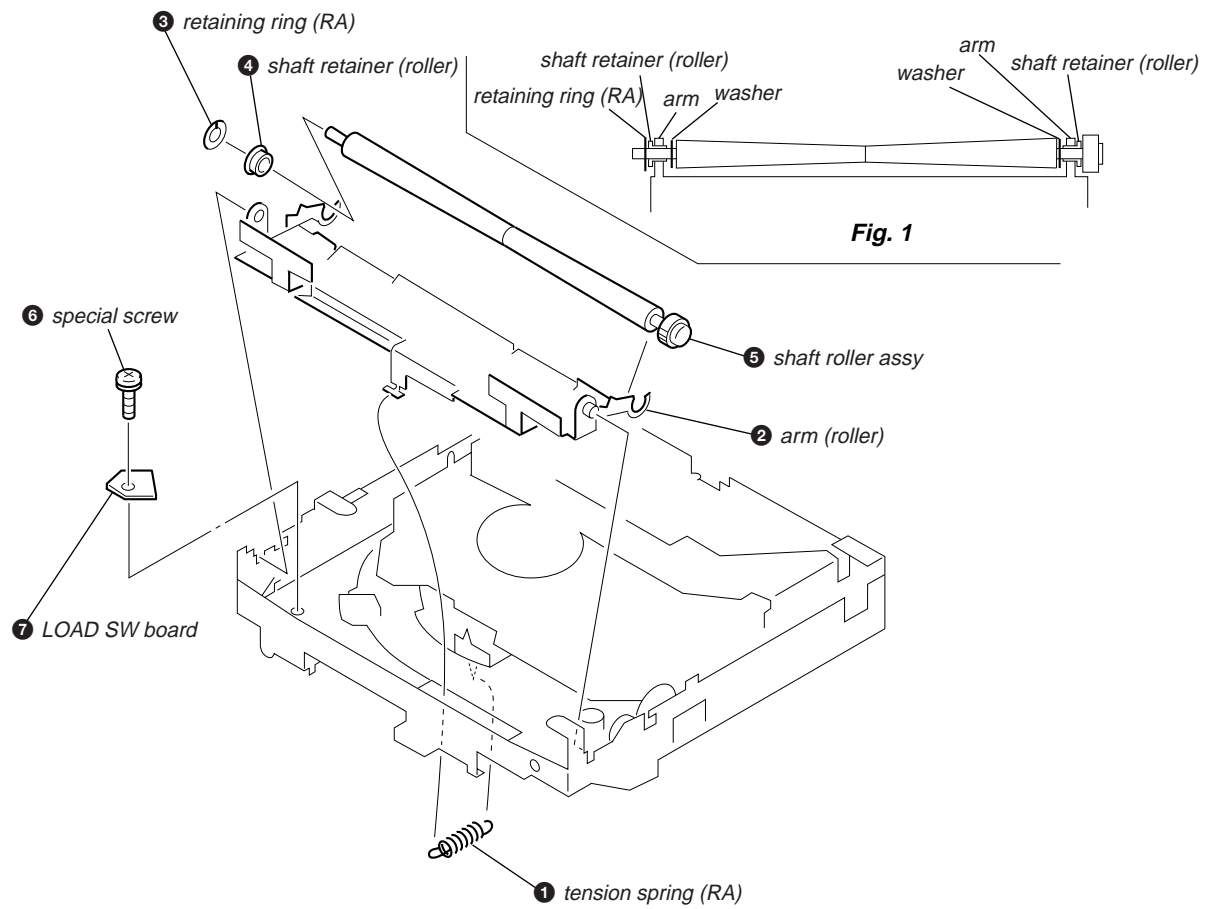


2-7. SERVO BOARD

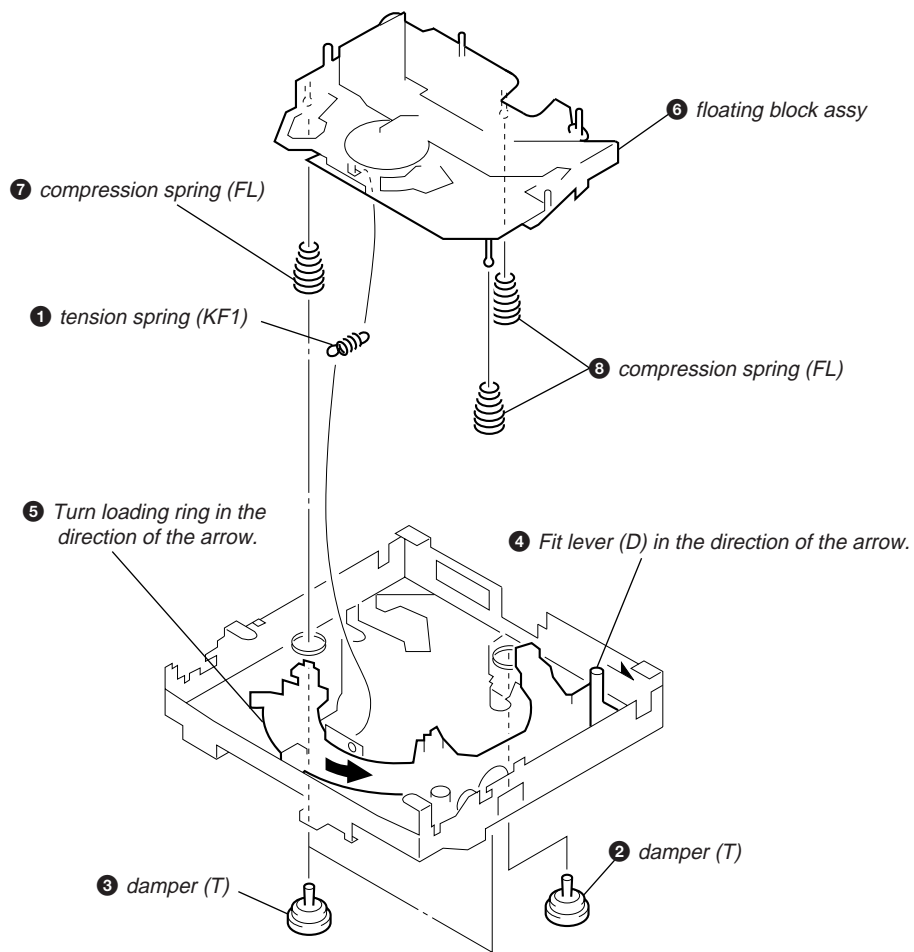


2-8. SHAFT ROLLER ASSY, LOAD SW BOARD

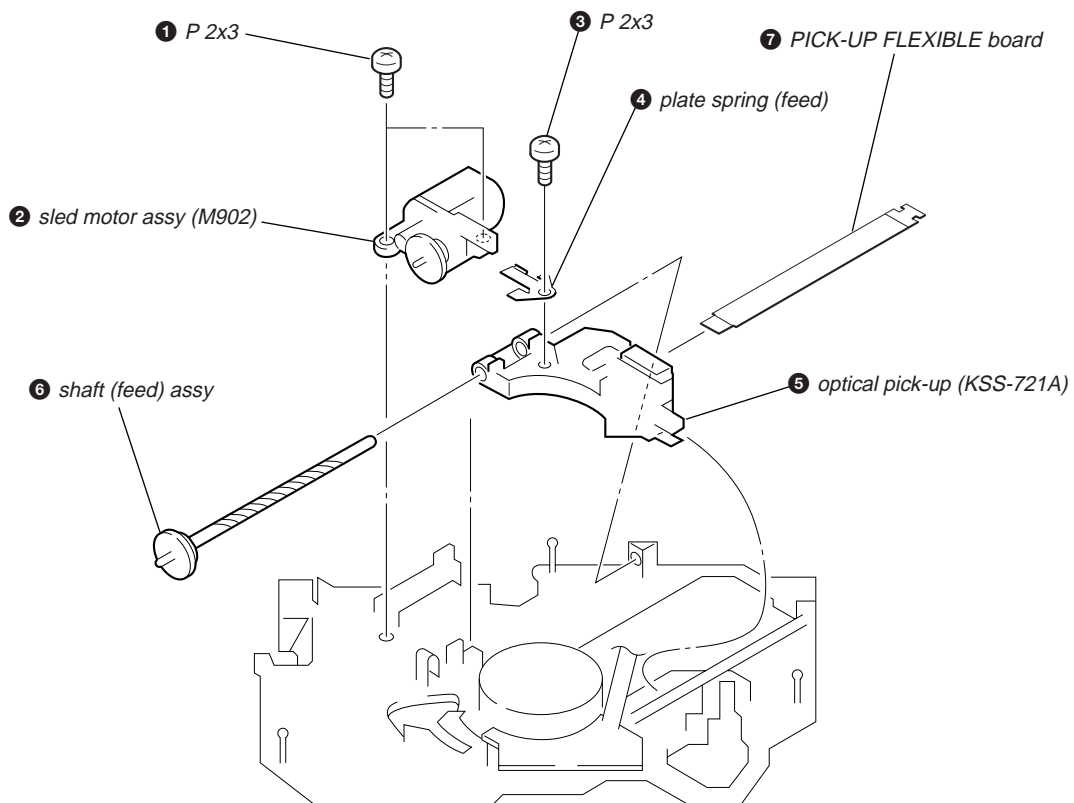
- When installing, take note of the positions arm (roller) and washers. (Fig. 1)



2-9. FLOATING BLOCK ASSY



2-10. OPTICAL PICK-UP BLOCK



SECTION 3 DIAGRAMS

3-1. IC PIN DESCRIPTIONS

• IC3 HD6432238RWN35TEI (CD MASTER CONTROL) (SERVO BOARD)

Pin No.	Pin Name	I/O	Pin Description
1	TEST	I	Test mode selection pin Not used. (Open)
2	DECXRST	O	Reset signal output to the DSP IC “L”: reset
3	DECSTBY	O	Standby mode control signal output to the DSP IC “H”: standby
4 – 7	NC	O	Not used. (Open)
8	PH3	I	CD PH3 photo sensor detection signal input Not used. (Open)
9	INSW/PH2	I	CD mechanism disc in switch detection signal input
10	LIMIT_SW	I	CD mechanism in-limit switch detection signal input
11	D_SW	I	CD mechanism down switch detection signal input
12	CVCC	—	System power supply pin (+3.3 V)
13	NC	O	Not used. (Open)
14	VSS	—	Ground pin
15	NC	O	Not used. (Open)
16	PH1	I	CD PH1 photo sensor detection signal input Not used. (Open)
17	EJECT	O	CD mechanism loading motor control signal output (eject operation)
18	LOAD	O	CD mechanism loading motor control signal output (load operation)
19 – 26	NC	O	Not used. (Open)
27	FLAG	I	Correction unable detection signal input
28	RFOK	I	RFOK signal input from the servo IC
29, 30	NC	O	Not used. (Open)
31	TXD	O	UART TXD PC connection output Not used. (Open)
32	RXD	I	UART RXD PC connection input Not used. (Open)
33	XTALEN	O	Crystal oscillation control signal output to the servo IC
34	TSTB	O	CD text parameter strobe signal output to the servo IC
35	STB	O	Data strobe signal output to the servo IC
36	A0	O	Command/parameter identification signal output to the servo IC “L”: command, “H”: parameter
37	CD_RST	O	Reset signal output to the servo IC
38	PACK	I	CD text pack sync signal input from the servo IC
39	NC	O	Not used. (Open)
40	SELF_SW	I	CD mechanism self load position detection switch signal input
41	NC	O	Not used. (Open)
42	AVSS	—	Ground for A/D converter
43, 44	NC	O	Not used. (Open)
45, 46	NC	I	Not used. (Open)
47	KEY0	I	Key switch signal input in the test mode Not used. (Open)
48	KEY1	I	Mode switch signal input in the test mode Not used. (Open)
49 – 52	NC	I	Not used. (Open)
53	AVREF	—	Reference voltage for A/D converter
54	AVCC	—	Power supply for A/D converter
55	MD0	—	CPU operation mode setting pin Connecting to +3.3 V in this set.
56	MD1	—	CPU operation mode setting pin Connecting to +3.3 V in this set.
57	X1A	—	Sub clock oscillator terminal Not used. (Open)
58	X0A	—	Sub clock oscillator terminal Not used. (Open)
59	RSTX	I	Microcomputer reset signal input
60	NMI	—	Not used. (Fixed at “H”)
61	STBY	—	Not used. (Fixed at “H”)
62	VCC	—	Power supply pin (+3.3 V)
63	XTAL	—	Main clock oscillator pin (12.288 MHz)
64	VSS	—	Ground pin
65	XTEAL	—	Main clock oscillator pin (12.288 MHz)
66	FWE	I	Flash write enable signal input

Pin No.	Pin Name	I/O	Pin Description
67	MD2	—	CPU operation mode setting pin
68	$\overline{\text{FL_BOOT}}$	I	Flash write selection signal input (“L”: flash write mode)
69	FL_W	O	Flash write control signal output connected to pin 66 (FWE)
70	NC	O	Not used. (Open)
71	CDMON	O	CD mechanism power supply control signal output
72	DECINT	I	Interrupt signal input from the DSP IC
73	CLOSE	O	Front panel operation request output (Close)
74	OPEN	O	Front panel operation request output (Open)
75	LINKOFF	O	LINK OFF signal output for UNI_LINK “H”: link off, “L”: link on
76	UNI_SO	O	Sony-Bus serial data output to the bus interface
77	UNI_SI	I	Sony-Bus serial data input from the bus interface
78	UNI_CK	I	Sony-Bus serial clock input from the bus interface
79	NC	O	Not used. (Open)
80	SDA	I/O	I2C interface data input/output
81	SCL	O	I2C interface clock output
82	NC	O	Not used. (Open)
83	TSO	O	Serial data output to the servo IC
84	TSI	I	Serial data input from the servo IC
85	TSCK	O	Serial clock output to the servo IC
86	LEDDAT	O	LED data output for the jig
87	LEDCLK	O	LED clock output for the jig
88	LEDLAT	O	LED latch signal output for the jig
89, 90	NC	O	Not used. (Open)
91	$\overline{\text{BUSON}}$	I	Sony-Bus BUS ON signal input from the bus interface
92	$\overline{\text{BUCHK}}$	I	Back up power supply detection signal input
93	A-ATT	O	Audio muting control signal output
94	CDON	O	Power control signal output for the CD servo “H”: servo on, “L”: during loading
95	NC	O	Not used. (Open)
96	U/J_SEL	I	Destination setting pin
97	$\overline{\text{TEXTSEL}}$	I	CD text function setting pin
98	NC	O	Not used. (Open)
99	$\overline{\text{CFSEL}}$	I	Custom file function setting pin
100	DOUT SEL	I	Digital output selection setting pin “H”: digital output available

• IC5 CXD9684R-005 (DSP) (SERVO BOARD)

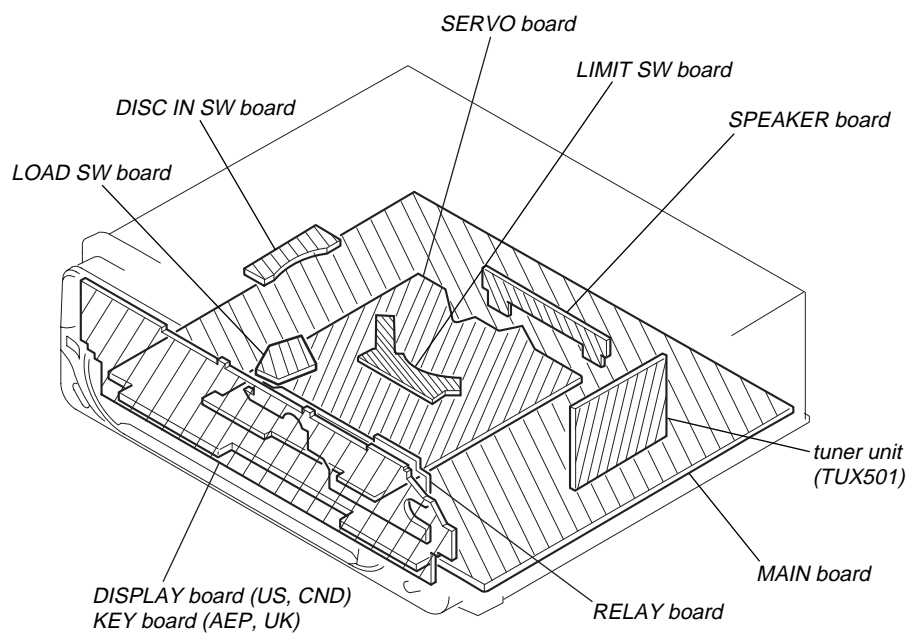
Pin No.	Pin Name	I/O	Pin Description
1	/RESET	I	Reset input pin “L”: reset
2	MIMD	I	Microcomputer interface mode selection input “H”: I2C, “L”: TSB
3, 4	AD0, AD1	O	External SRAM address signal output
5	MIDIO (I2C_SDA)	I/O	Serial data input/output
6	MICK (I2C_SCL)	I	Serial clock input
7	AD2	O	External SRAM address signal output
8	VDDT (3.3V)	—	Power supply (3.3 V) for digital circuit
9	SDO	O	Data output
10, 11	AD3, AD4	O	External SRAM address signal output
12	SDIO	I	Data input 0
13	BCKIA	I	Bit clock input A
14	LRCKIA	I	LR clock input A
15	AD5	O	External SRAM address signal output
16	CE	O	External SRAM chip enable signal output
17	OE	O	External SRAM output enable signal output
18	VDD (2.5V)	—	Power supply pin (2.5 V) for digital circuit
19	STANDBY	I	Standby mode control signal input “H”: STB, “L”: normal
20	VSS (2.5VGND)	—	Ground pin for digital circuit
21	VSSL (2.5VGND)	—	Ground pin for DAC Lch
22	VRAL	—	Reference voltage pin for DAC Lch
23	LO	O	DAC Lch signal output (Open)
24	VDAL (2.5V)	—	Power supply pin (2.5 V) for DAC Lch
25	VDAR (2.5V)	—	Power supply pin (2.5 V) for DAC Rch
26	RO	O	DAC Rch signal output (Open)
27	VRAR	—	Reference voltage pin for DAC Rch
28	VSSR (2.5VGND)	—	Ground pin for DAC Rch
29	TESTP	I	Pin for test “H”: test mode, “L”: normal (fixed at “L”)
30	CKS	I	VCO selection input “H”: VCO, “L”: X1 input
31 – 34	AD12 to AD9	O	External SRAM address signal output
35	VDDT (3.3V)	—	Power supply pin (3.3 V) for digital circuit
36 – 38	AD8 to AD6	O	External SRAM address signal output
39	REQ	O	Interrupt request signal output to the CD master control
40	VSS	—	Ground pin for digital circuit
41, 42	AD13, AD14	O	External SRAM address signal output
43	WR	O	External SRAM write signal output
44, 45	AD16, AD15	O	External SRAM address signal output
46, 47	IO0, IO1	I/O	External SRAM data input/output
48	VSS	—	Ground pin for digital circuit
49 – 51	IO2 to IO4	I/O	External SRAM data input/output
52	VDD (2.5V)	—	Power supply pin (2.5 V) for digital circuit
53 – 55	IO5 to IO7	I/O	External SRAM data input/output
56	VSSP	—	Ground pin for VCO circuit
57	PDO	O	PLL phase error detection signal output
58	VCOI	I	VCO control voltage input
59	VDDP	—	Power supply pin for VCO circuit
60	XRDE	I/O	External clock input, audio clock output Not used. (Open)
61	VDDX (2.5V)	—	Power supply pin for oscillation circuit
62	XI	I	Resonator pin
63	XO	O	Resonator pin
64	VSSX	—	Ground pin for oscillation circuit

• IC801 MN101C49KSJ (SYSTEM CONTROL) (MAIN BOARD)

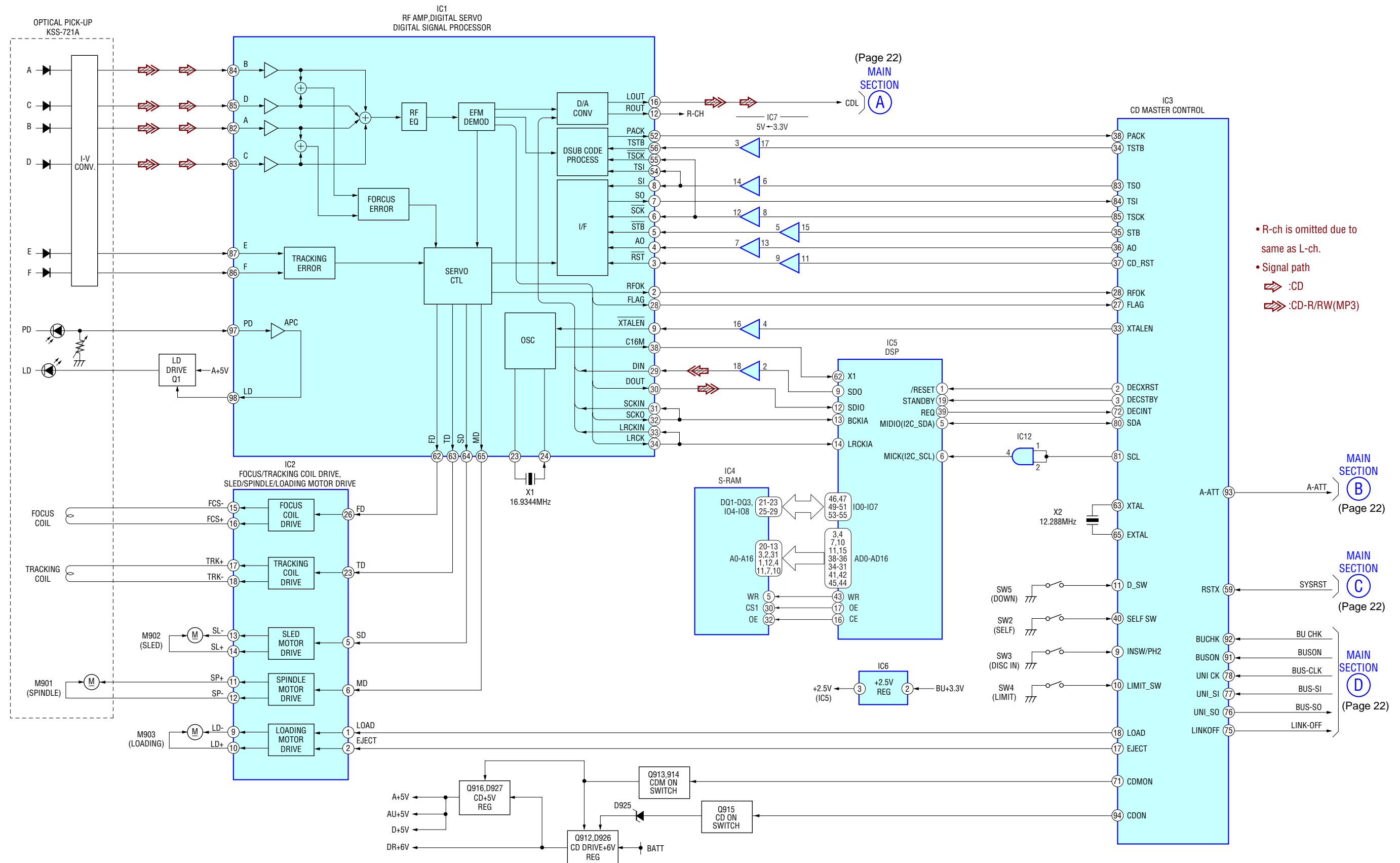
Pin No.	Pin Name	I/O	Pin Description
1	VREF-	—	Power supply pin for A/D converter
2	VSM	I	S-meter voltage detection signal input from the tuner unit (TU601)
3	NIL	I	Not used. (Connected to ground.)
4	KEYIN1	I	Key signal input
5	KEYIN0	I	Key signal input
6	RC_IN0	I	Rotary commander key signal input from the remote-in jack
7	QUALITY	I	Noise detection signal input (AEP, UK model)/Connected to ground. (US, Canadian model)
8	DST SEL	I	Destination setting pin (US, Canadian model)
9	NIL	I	Not used. (Connected to ground.)
10	VREF+	—	Power supply pin for A/D converter
11	VDD	—	Power supply pin
12	OSCOU	O	High speed clock output (18.43 MHz)
13	OSCIN	I	High speed clock input (18.43 MHz)
14	VSS	—	Ground pin
15	XIN	I	Low speed clock input (32.768 kHz)
16	XOUT	O	Low speed clock output (32.768 kHz)
17	MMOD	—	Memory mode selection input “L”: single chip mode (connected to ground)
18	LCDSO	O	Serial data output to the LCD driver
19	LCDCE	O	Chip enable signal output to the LCD driver
20	LCDCKO	O	Serial clock output to the LCD driver
21 – 23	NCO	O	Not used. (Open)
24	$\overline{\text{SYSRST}}$	O	System reset signal output
25	$\overline{\text{BUSON}}$	O	Bus on signal output to the bus interface
26	KEYACK	I	Key acknowledge detection signal input
27	DAVN (NIL)	I	RDS data block sync detection signal input (AEP, UK model)/Connected to ground. (US, Canadian model)
28	BU_IN	I	Back up power supply detection signal input
29	SIRCS	I	Remote control signal input from the remote control receiver
30	TUATT IN	I	ATT control signal input from tuner unit.
31	NIL	I	Not used. (Connected to ground.)
32	NIH	I	Not used. (Connected to power supply.)
33	$\overline{\text{RESET}}$	I	Microcomputer reset signal input from the reset IC
34	$\overline{\text{NOSE SW}}$	I	Front panel with/without detection signal input “L”: panel with
35	BEEP	O	Beep signal output to the power amplifier
36	NCO	O	Not used. (Open)
37	$\overline{\text{TESTIN}}$	I	Test mode detection signal input
38	$\overline{\text{ACCIN}}$	I	Accessory power supply detection signal input
39	NCO	O	Not used. (Open)
40	TELATT	I	TEL ATT detection signal input
41	NIH	I	Fixed at “H”.
42	BUSO	O	Sony_Bus serial data output to the bus interface IC
43	BUSI	I	Sony_Bus serial data input from the bus interface IC
44	BUSCKO	O	Sony_Bus serial clock output to the bus interface IC
45	I2CSIO	I/O	I2C bus serial data input/output
46	NCO	O	Not used. (Open)
47	I2CCKO	O	I2C bus serial clock output
48	NCO	O	Not used. (Open)
49	NCO	O	Not used. (Open)
50	POW_ON	O	System power supply control signal output
51 – 66	NCO	O	Not used. (Open)
67	ATT	O	System ATT control signal output
68	NCO	O	Not used. (Open)

Pin No.	Pin Name	I/O	Pin Description
69	TU ON	O	Tuner power supply control signal output
70	$\overline{\text{VOLATT}}$	O	Electronic volume ATT control signal output to the electronic volume
71	NCO	O	Not used. (Open)
72	AMPON	O	Power amplifier standby control signal output to the power amplifier
73	NCO	O	Not used. (Open)
74	AMPATT	O	Power amplifier ATT control signal output to the power amplifier
75	DOORIND	O	Sub panel power supply control signal output
76 – 84	NCO	O	Not used. (Open)
85	NS MASK	O	Noise mask signal output
86	EE_CKO	O	EEPROM serial clock output
87	EE_SIO	I/O	EEPROM serial data input/output
88	TUATT	O	Tuner ATT signal output to the tuner unit
89, 90	NCO	O	Not used. (Open)
91	$\overline{\text{XKEYON}}$	O	Power supply control signal to the function key
92	ILL ON	O	Illumination power supply control signal output
93	NCO	O	Not used. (Open)
94	$\overline{\text{DOORSW}}$	I	Front panel open/close detection signal input “L”: close, “H”: open
95	DAVSS	—	Ground pin for D/A converter
96	NCO	O	Not used. (Open)
97	$\overline{\text{FLASH W}}$	I	Flash write detection signal input
98	RC_INI	I	Remote commander shift key signal input from the remote-in jack “L”: shift key on
99	NCO	O	Not used. (Connected to ground.)
100	DAVDD	—	Power supply pin for D/A converter

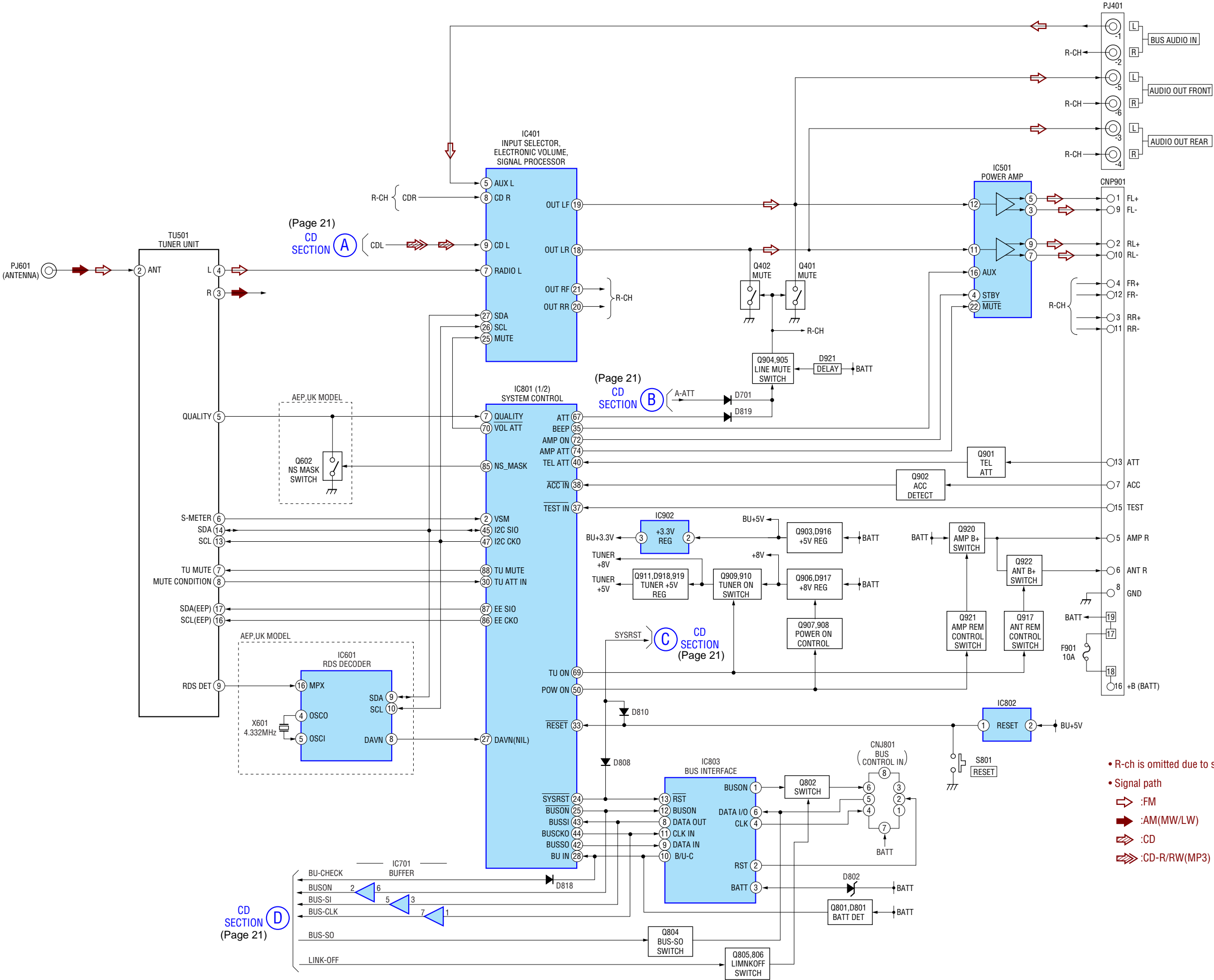
3-2. CIRCUIT BOARDS LOCATION



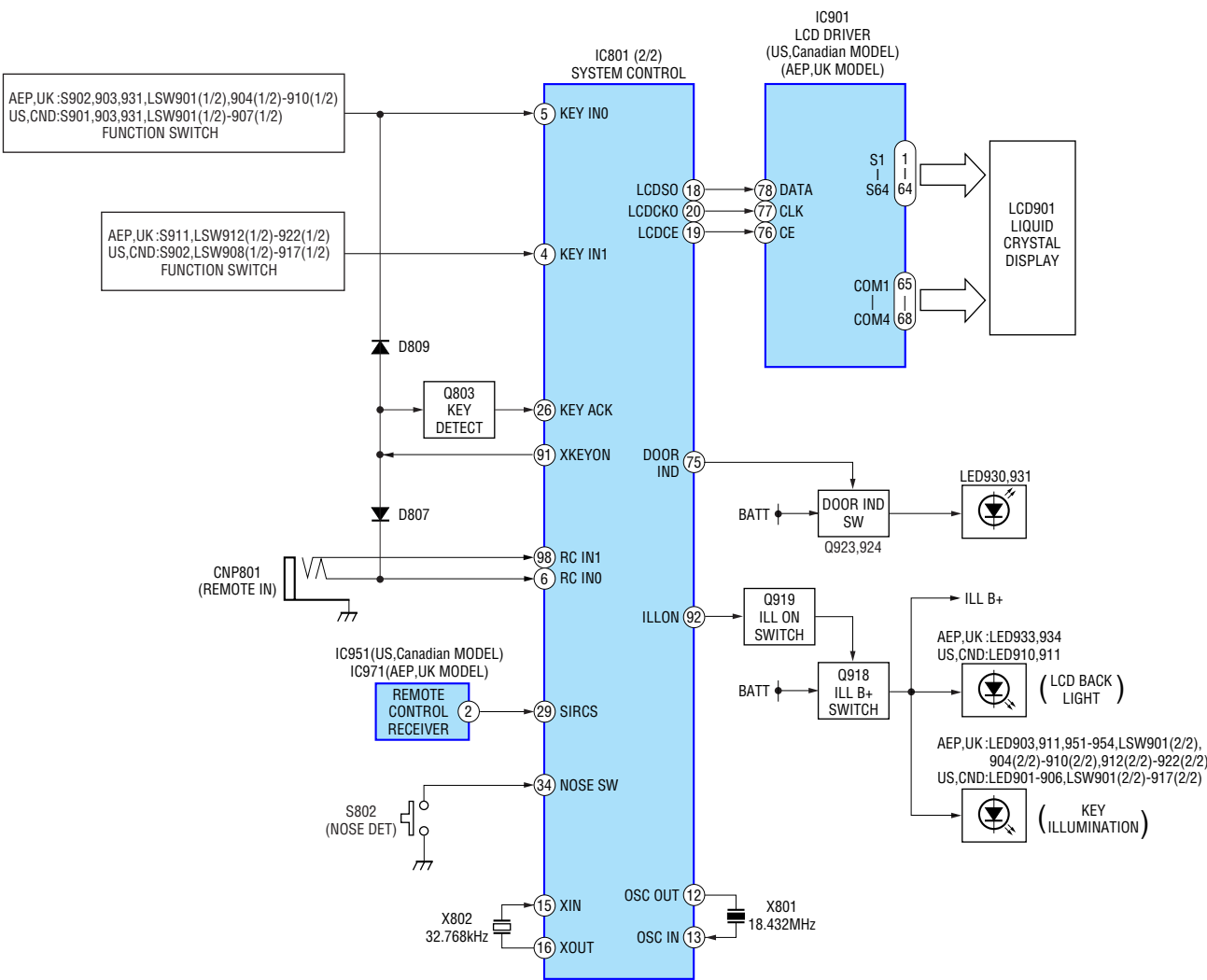
21



3-4. BLOCK DIAGRAM — MAIN SECTION —



3-5. BLOCK DIAGRAM — DISPLAY SECTION —



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS. (In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. pF: μpF
- 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
- \square : panel designation.

Note:
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- --- : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - \Rightarrow : FM
 - \Rightarrow : AM/MW/LW
 - \Rightarrow : CD
 - \Rightarrow : CD-R/RW (MP3)

for printed wiring boards:

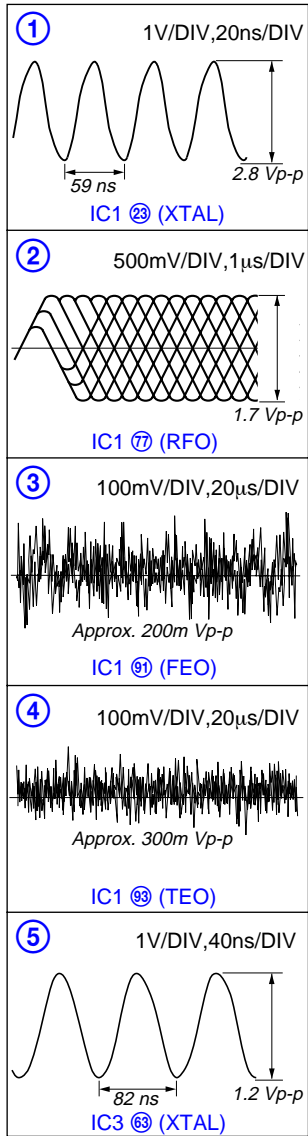
- \circ : parts extracted from the component side.
- --- : parts extracted from the conductor side.
- \blacksquare : parts mounted on the conductor side.
- \circ : Through hole.
- --- : Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

Caution:
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: Parts on the parts face side seen from the parts face are indicated.

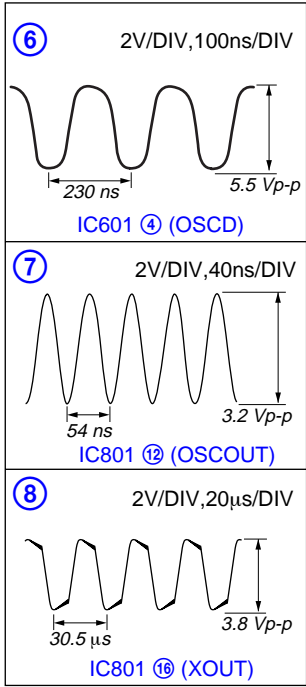
• Waveforms

— SERVO Board —

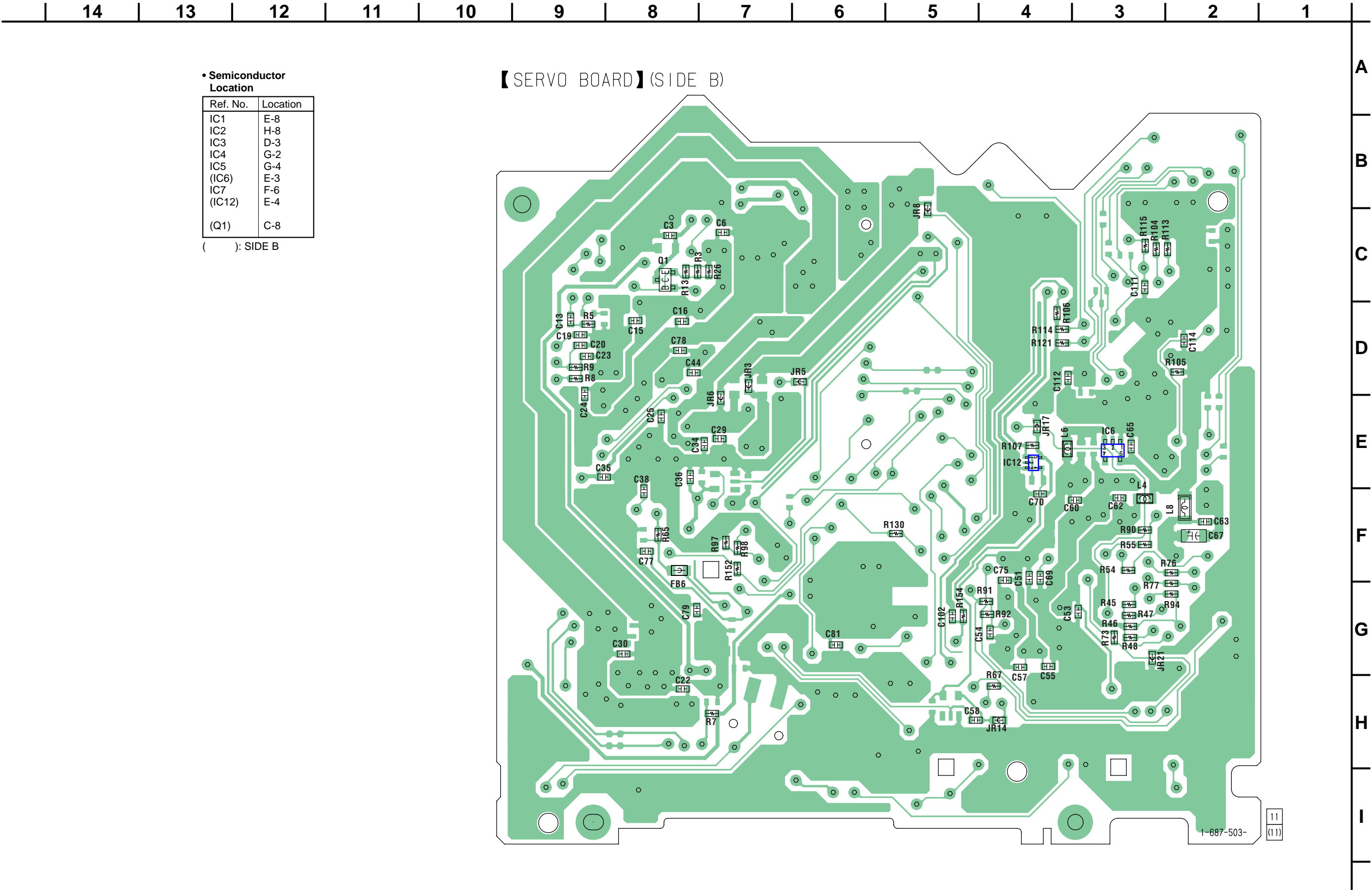
(MODE: CD PLAY)

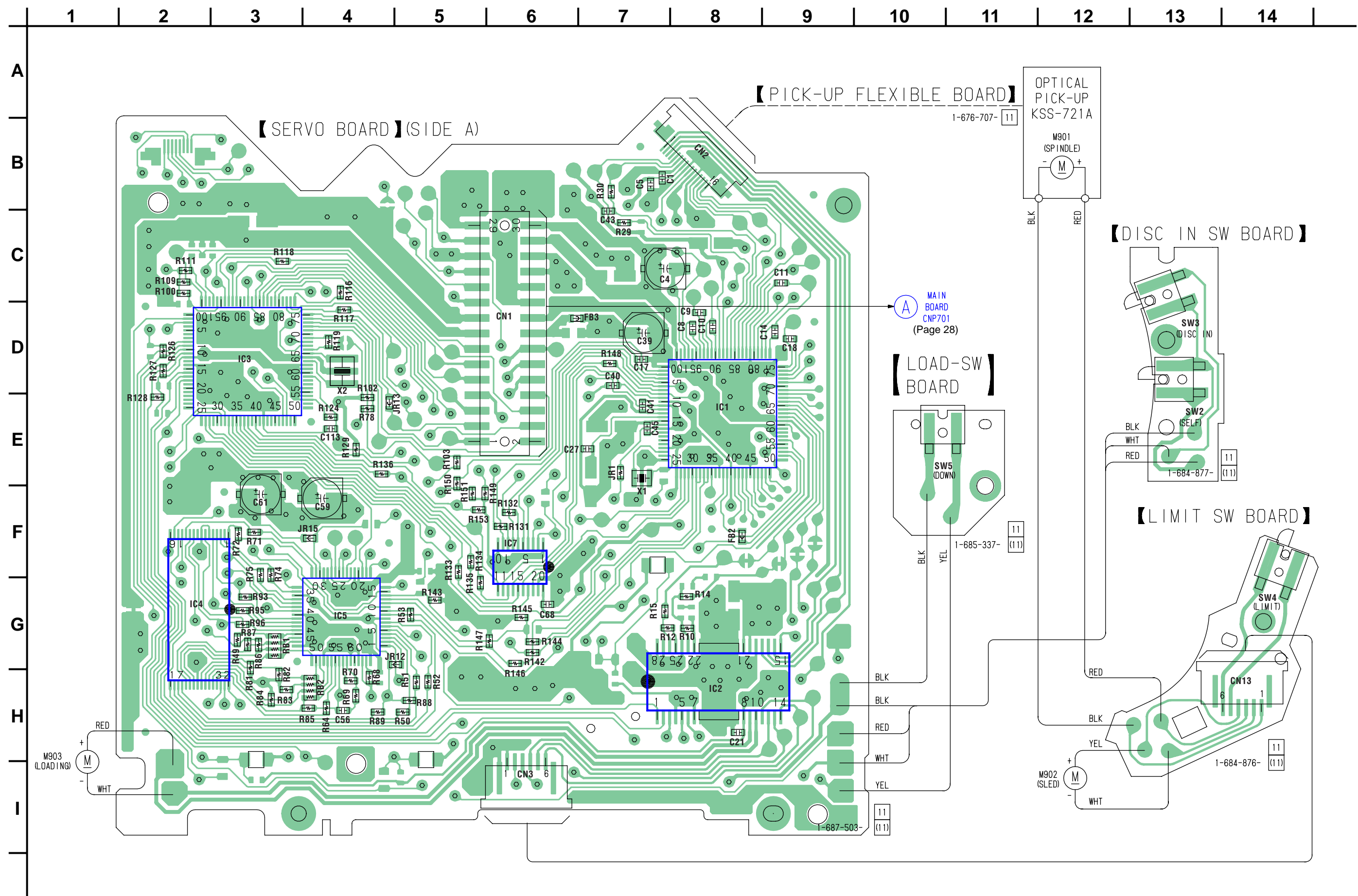


— MAIN Board —



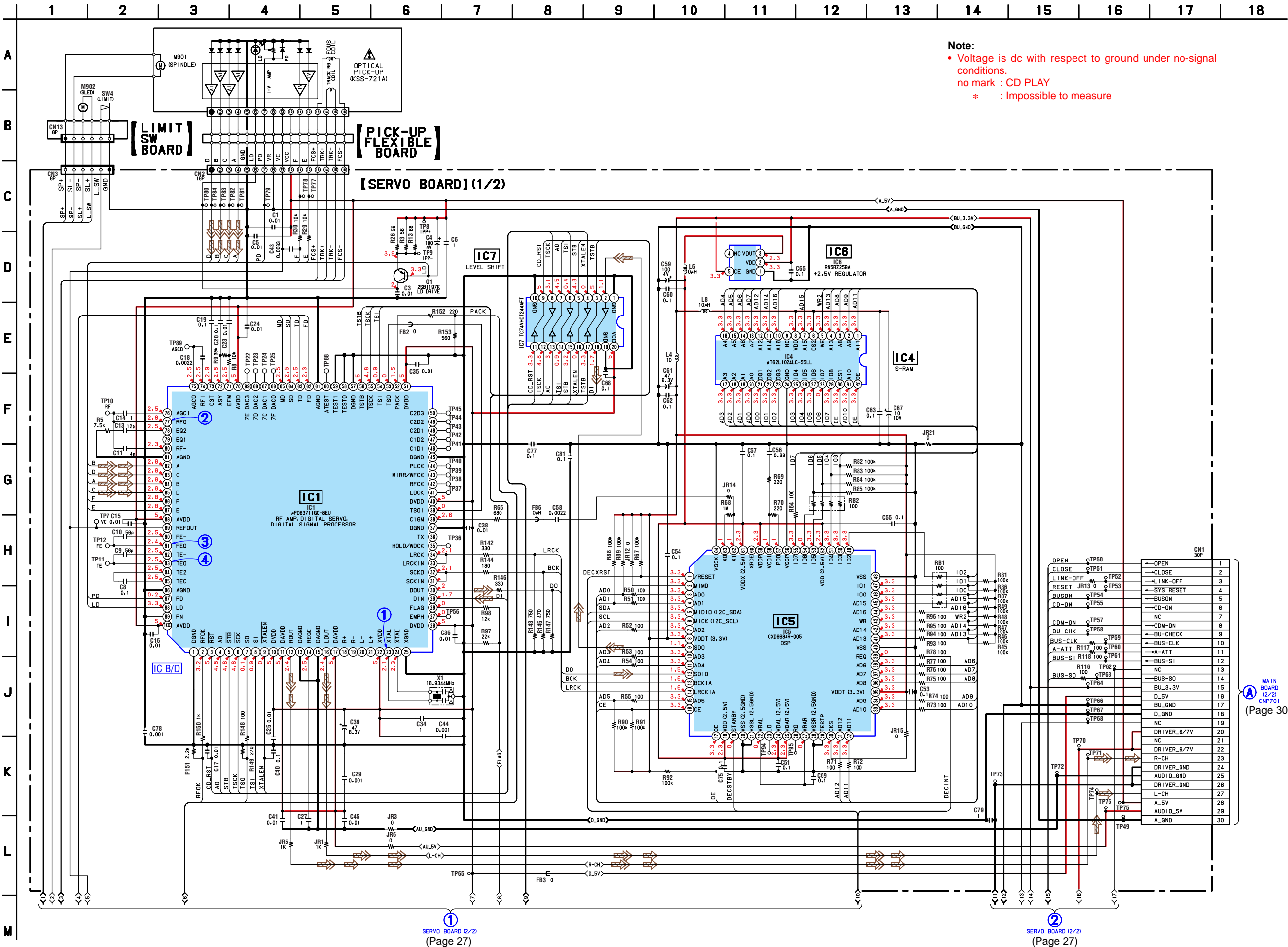
3-6. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 20 for Circuit Boards Location.





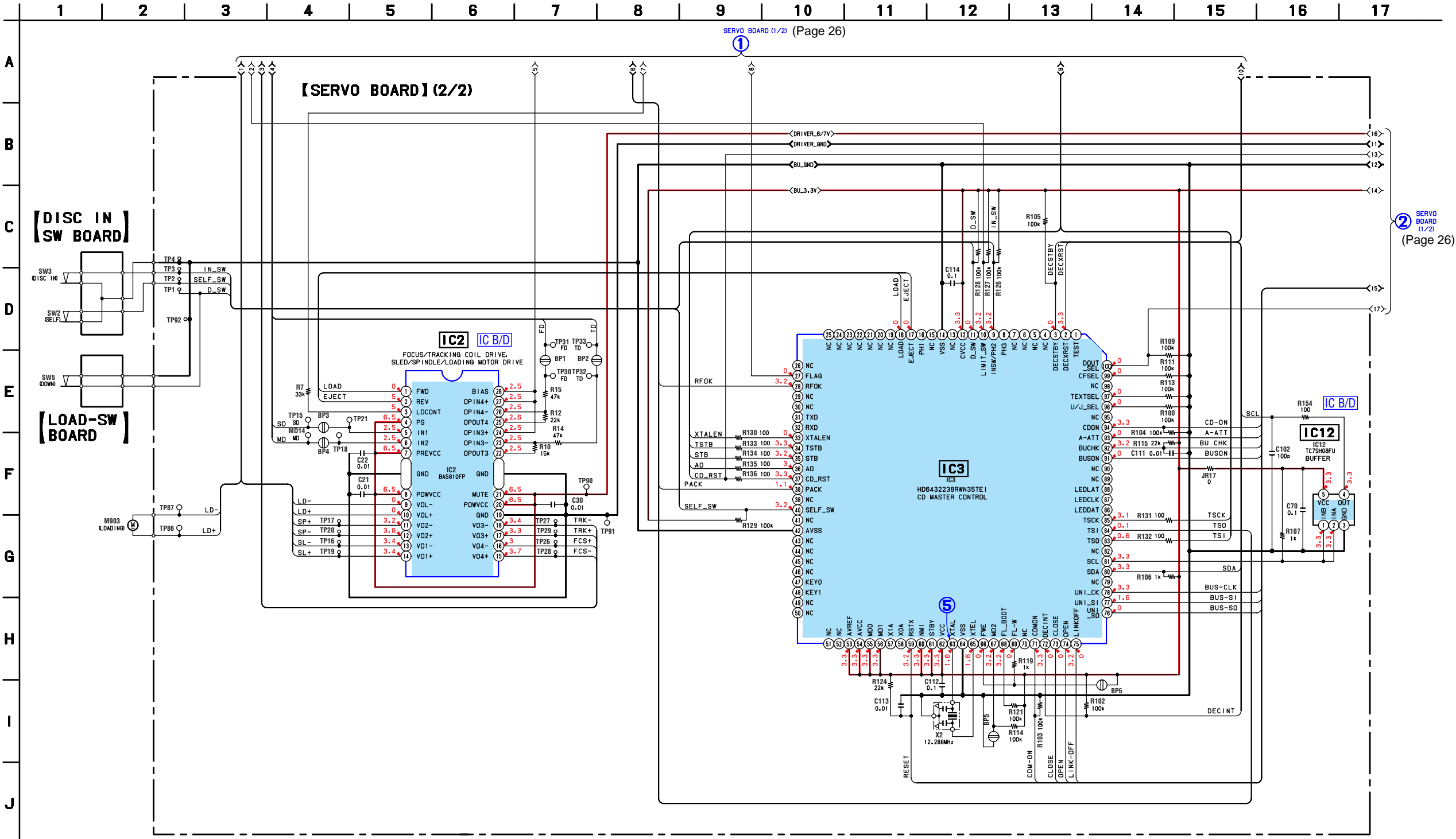
• Refer to page 23 for Waveforms.

3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 36 for IC Block Diagram.



• Refer to page 23 for Waveform.

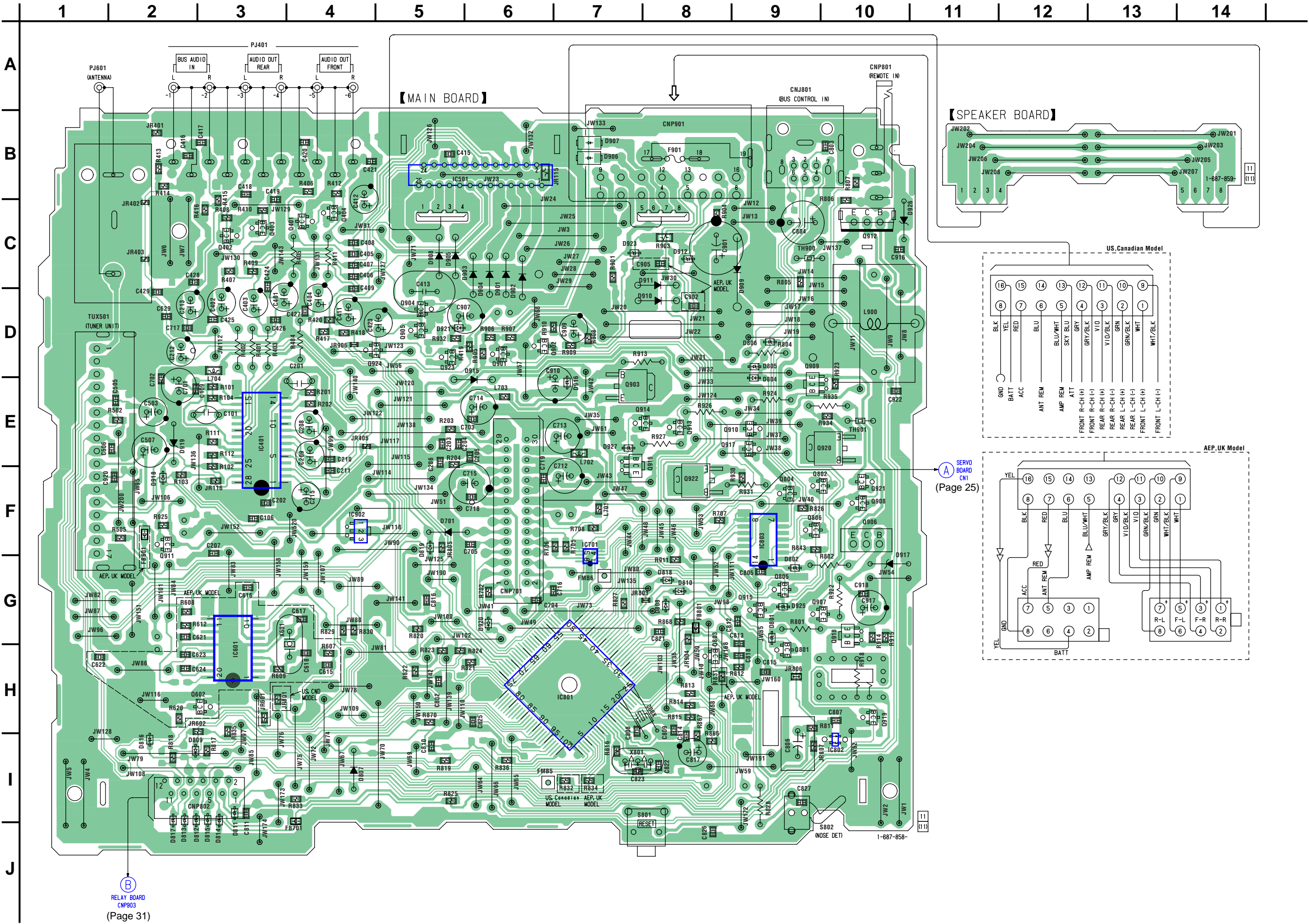
3-8. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) — • Refer to page 36 for IC Block Diagrams.



Note:
• Voltage is dc with respect to ground under no-signal conditions.
no mark : CD PLAY
* : Impossible to measure

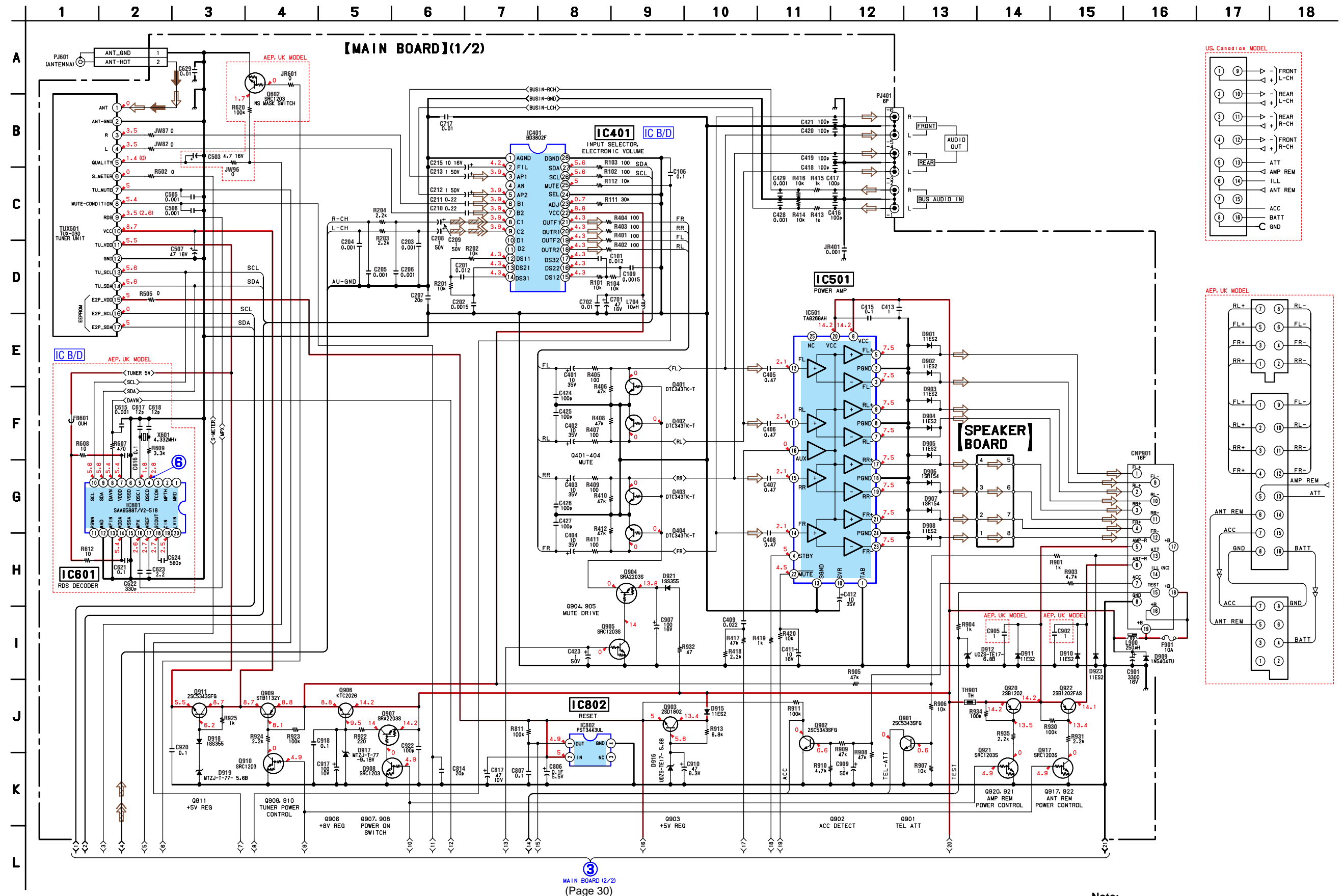
• Refer to page 20 for Circuit Boards Location.

3-9. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 30 for Semiconductor Location.



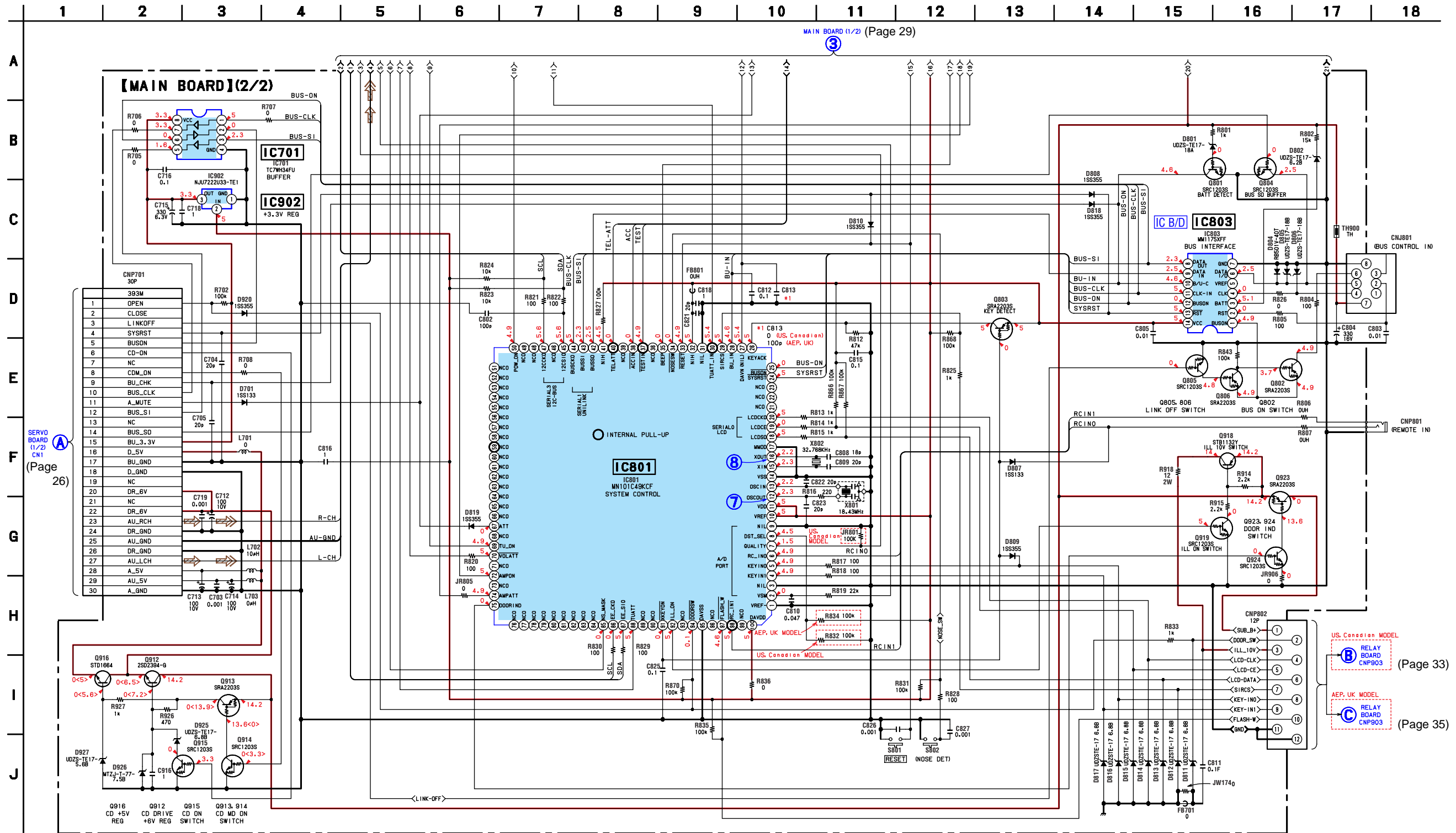
• Refer to page 23 for Waveform.

3-10. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 36 for IC Block Diagrams.



Note:

- Voltage is dc with respect to ground under no-signal conditions.
- no mark : FM
- () : AM/MW/LW



- **Semiconductor Location**

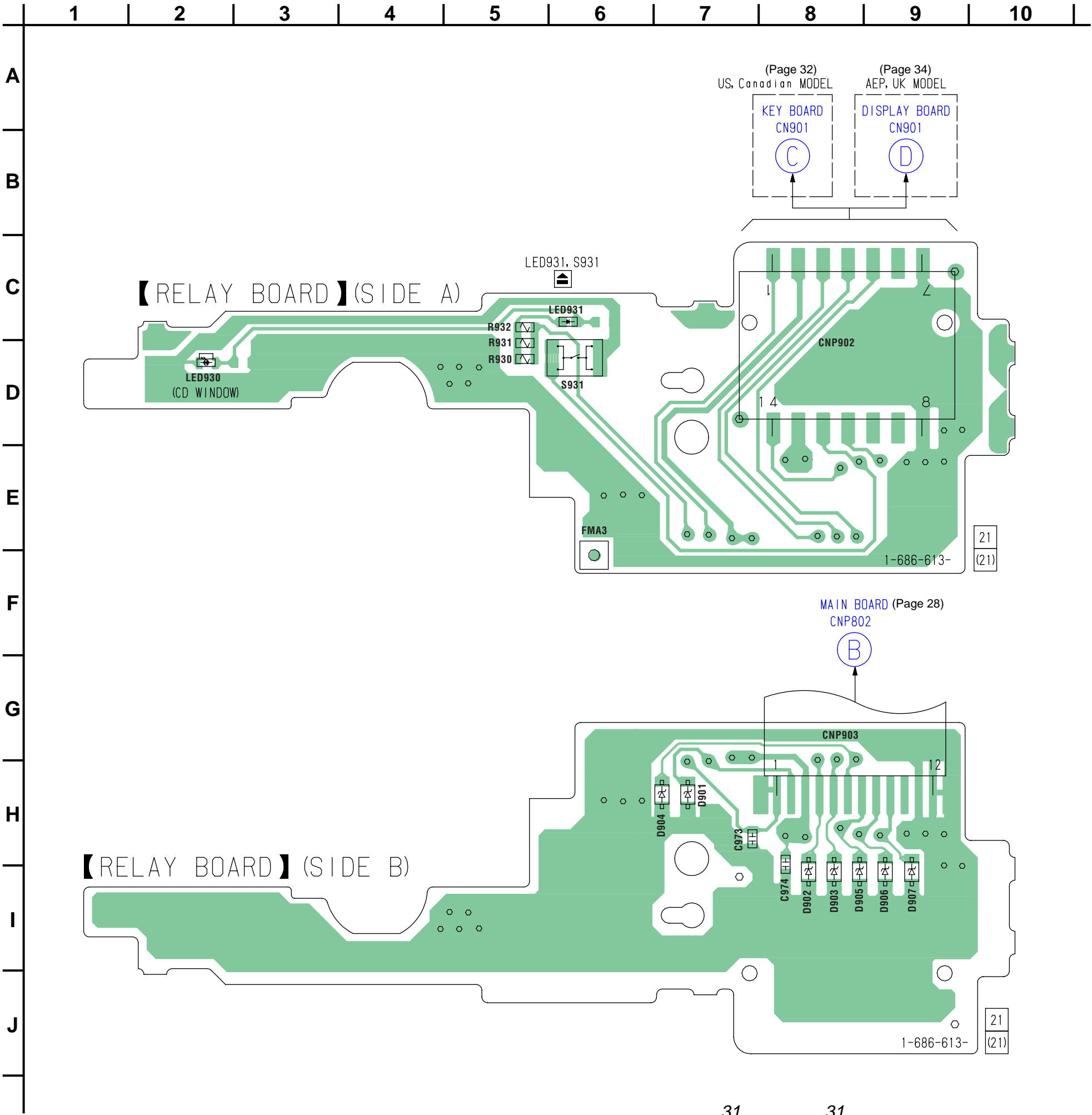
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D701	F-5	D814	J-3	D908	C-5	D925	G-9	Q401	C-4	Q902	D-6	Q914	E-7
D801	G-9	D815	J-3	D909	C-9	D926	C-10	Q402	C-3	Q903	E-7	Q915	G-9
D802	G-9	D816	I-2	D910	D-8	D927	E-7	Q403	C-3	Q904	D-5	Q916	E-7
D804	D-9	D817	J-2	D911	C-8			Q404	C-4	Q905	D-5	Q917	E-9
D805	D-9	D818	G-8	D912	C-8	IC401	E-3	Q602	H-3	Q906	F-10	Q918	G-10
D806	D-9	D819	F-5	D915	D-6	IC501	B-5	Q801	H-9	Q907	G-9	Q919	H-10
D807	I-4	D901	C-6	D916	E-7	IC601	H-3	Q802	F-9	Q908	F-10	Q920	E-10
D808	G-8	D902	C-6	D917	G-10	IC701	F-7	Q803	H-8	Q909	D-9	Q921	F-10
D809	I-2	D903	C-6	D918	F-2	IC801	H-7	Q804	F-9	Q910	E-9	Q922	F-8
D810	G-8	D904	C-6	D919	E-2	IC802	I-10	Q805	G-9	Q911	F-2	Q923	D-5
D811	J-3	D905	C-5	D920	G-6	IC803	F-9	Q806	F-9	Q912	C-10	Q924	D-4
D812	J-2	D906	B-7	D921	D-5	IC902	F-4	Q901	D-6	Q913	E-8		
D813	J-2	D907	B-7	D923	C-7								

Note:

- Voltage is dc with respect to ground under no-signal conditions.

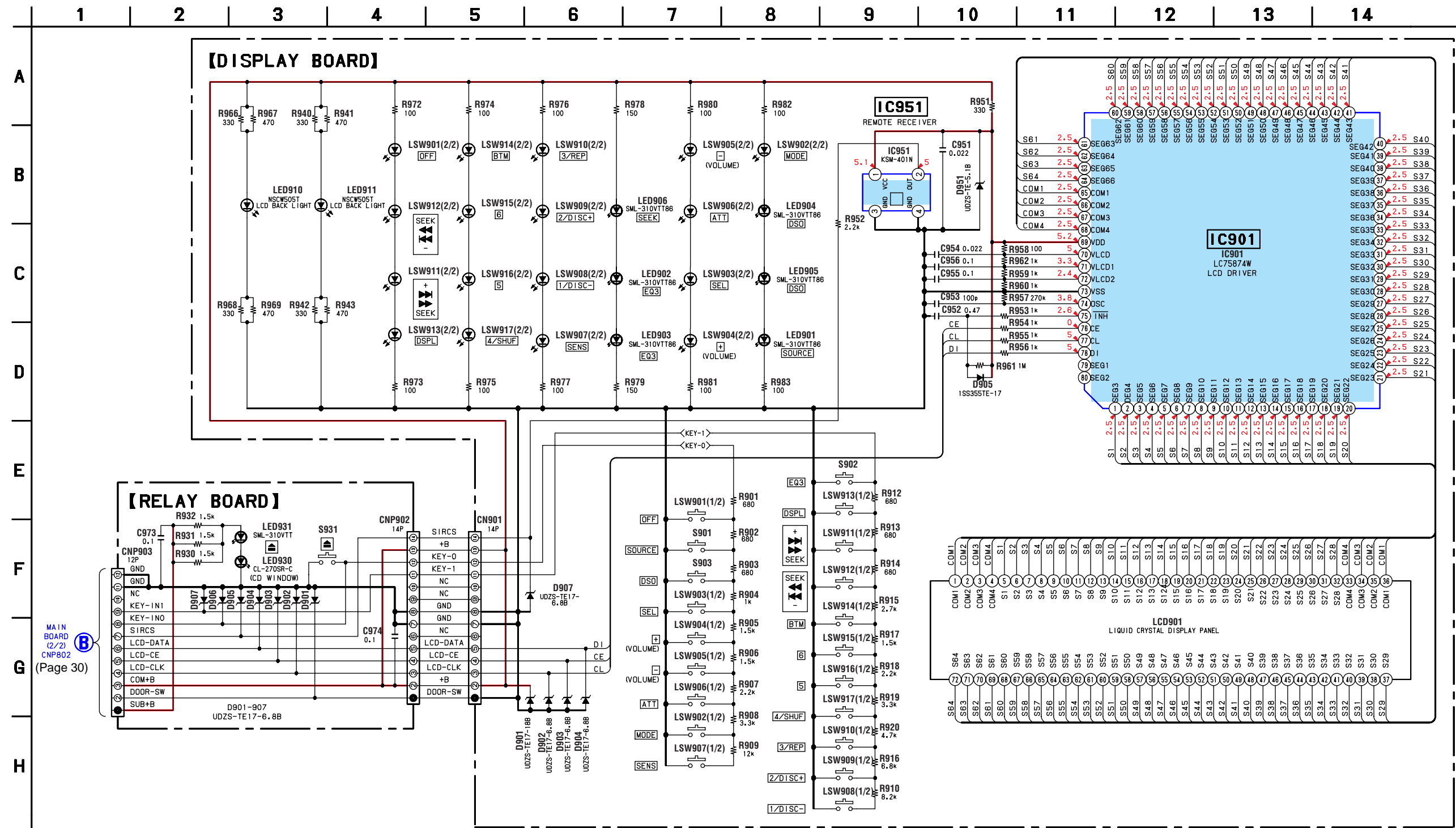
no mark : FM
 () : AM/MW/LW
 < > : CD PLAY

3-12. PRINTED WIRING BOARD — RELAY SECTION — • Refer to page 20 for Circuit Boards Location.



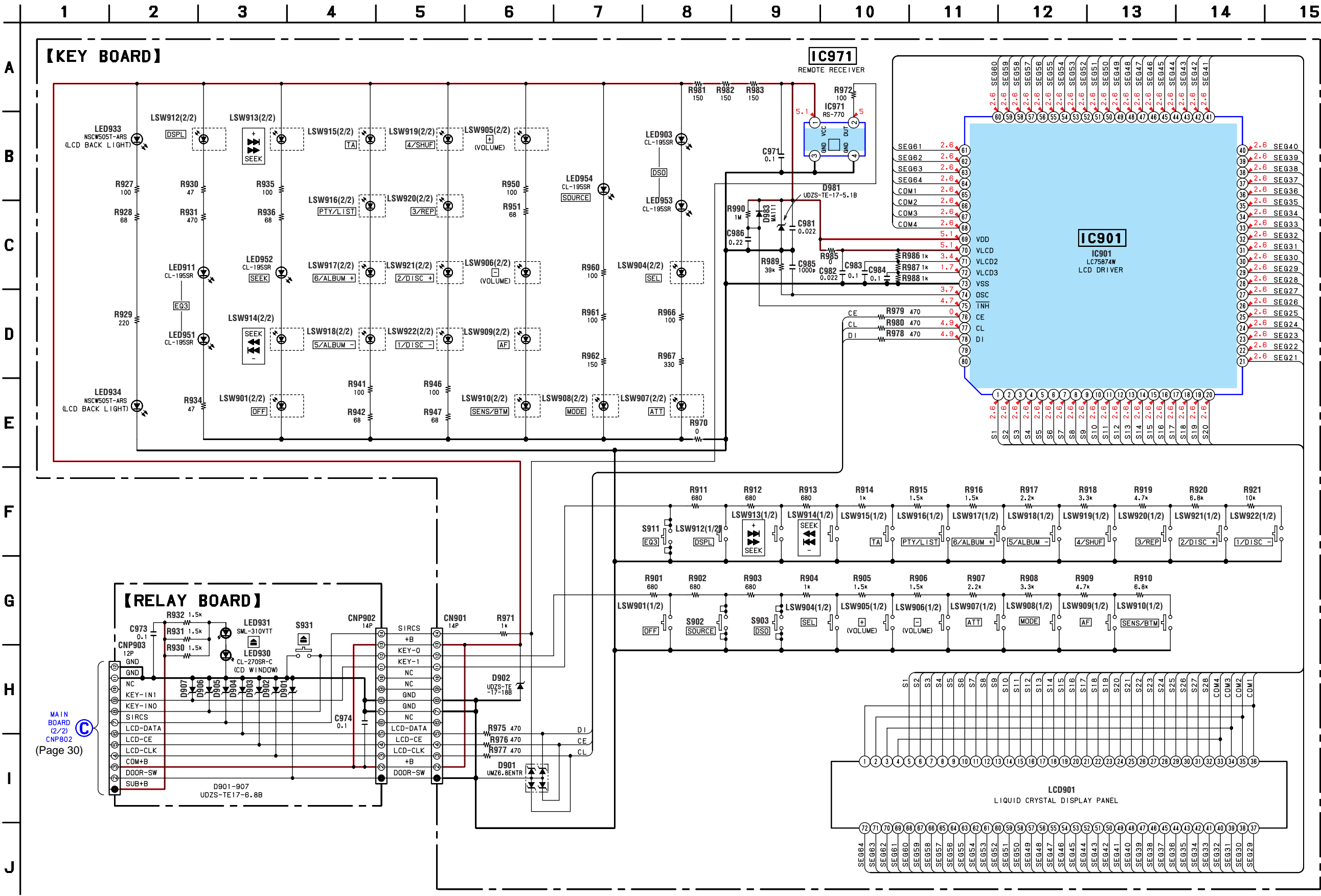


3-14. SCHEMATIC DIAGRAM — RELAY, KEY SECTION (US, Canadian MODEL) —





3-16. SCHEMATIC DIAGRAM — RELAY, KEY SECTION (AEP, UK MODEL) —



The diagram illustrates the internal circuitry of the AD5755R, showing the connection between the 28 pins and the internal components. Key components include:

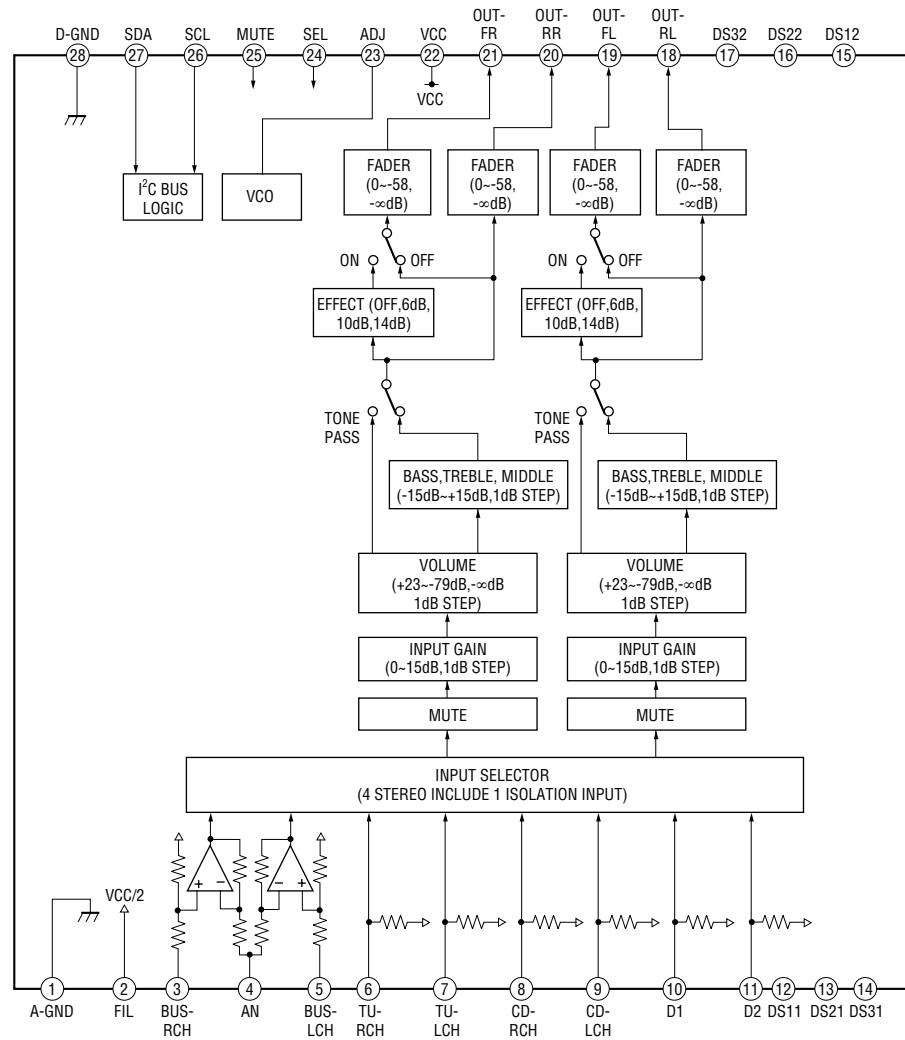
- Input Section (Pins 1-6):** FWD (1), REV (2), LDCONT (3), PS (4), IN1 (5), IN2 (6). LDCONT is connected to a $\times 3$ buffer. PS is connected to a POWER SAVE block. IN1 and IN2 are connected to a LOADING PRE FWD REV block.
- Power Supply Section (Pins 7-14):** PREVCC (7), POWVCC (8), VOL- (9), VOL+ (10), V02- (11), V02+ (12), V01- (13), V01+ (14). PREVCC is connected to a PRE-LOADING block. POWVCC is connected to a POWVCC12 (CH1,CH2) block. VOL- and VOL+ are connected to op-amp buffers. V02- and V02+ are connected to a LEVEL SHIFT block. V01- and V01+ are connected to a LEVEL SHIFT block.
- Output Section (Pins 15-28):** V04+ (15), V04- (16), V03+ (17), V03- (18), POWVCC (19), GND (20), POWVCC34 (CH3,CH4) (21), MUTE (22), OPIN2+ (23), OPIN2- (24), OPIN4+ (25), OPIN4- (26), BIAS (27), OPIN3+ (28). V04+ and V04- are connected to op-amp buffers. V03+ and V03- are connected to op-amp buffers. POWVCC34 is connected to a POWVCC34 (CH3,CH4) block. MUTE is connected to a MUTE block. OPIN2+ and OPIN2- are connected to op-amp buffers. OPIN4+ and OPIN4- are connected to op-amp buffers. BIAS is connected to a BIAS block. OPIN3+ and OPIN3- are connected to op-amp buffers.

Diagram showing the internal logic and pin connections for the IC803 MM1175XFF. It includes an AND gate with inputs IN B (pin 1) and IN A (pin 2), and output OUT (pin 4). The output OUT is connected to VCC (pin 5). The input IN A (pin 2) is also connected to GND (pin 3).

The block diagram illustrates the internal architecture of the TDA19812 receiver IC, showing the flow of signals from input pins through various processing blocks to output pins.

- Input Pins (Top):**
 - Pin 20 (LVIN): Connected to the **MULTI PATH DETECTOR**.
 - Pin 19 (CIN): Connected to the **CLOCKED COMPARATOR**.
 - Pin 18 (SCOUT): Connected to the **57kHz 8th ORDER BAND-PASS FILTER**.
 - Pin 17 (VREF): Connected to the **SIGNAL QUALITY DECODER**.
 - Pin 16 (MPX): Connected to the **SIGNAL QUALITY DECODER**.
 - Pin 15 (VSSA): Connected to the **POWER SUPPLY & RESET** block.
 - Pin 14 (VDDA): Connected to the **POWER SUPPLY & RESET** block.
 - Pin 13 (AFIN): Connected to the **PAUSE DETECTOR**.
 - Pin 12 (MAD): Connected to the **PAUSE DETECTOR**.
 - Pin 11 (PSWIN): Connected to the **PAUSE DETECTOR**.
- Internal Blocks and Connections:**
 - MULTI PATH DETECTOR** (Pin 20) outputs to **MRO** (Pin 1) and **MPH** (Pin 2).
 - CLOCKED COMPARATOR** (Pin 19) outputs to the **RDS/RDBS DEMODULATOR**.
 - 57kHz 8th ORDER BAND-PASS FILTER** (Pin 18) outputs to the **SIGNAL QUALITY DECODER**.
 - POWER SUPPLY & RESET** (Pins 15, 14) provides power to the **INTERFACE REGISTER** and **IIC BUS SLAVE TRANSCEIVER**.
 - SIGNAL QUALITY DECODER** (Pins 17, 16) outputs a **CLOCK** signal (Pin 4) and **DATA** signals (Pins 5 and 8) to the **INTERFACE REGISTER**.
 - PAUSE DETECTOR** (Pins 13, 12, 11) outputs a **CLOCK** signal (Pin 4) and **DATA** signals (Pins 5 and 8) to the **INTERFACE REGISTER**.
 - RDS/RDBS DEMODULATOR** outputs to the **RDS/RDBS DECODER**.
 - RDS/RDBS DECODER** outputs a **CLOCK** signal (Pin 4) and **DATA** signals (Pins 5 and 8) to the **INTERFACE REGISTER**.
 - INTERFACE REGISTER** (Pins 4, 5, 8) outputs **DATA** signals (Pins 9 and 10) to the **IIC BUS SLAVE TRANSCEIVER**.
 - IIC BUS SLAVE TRANSCEIVER** (Pins 9, 10) outputs **SDA** (Pin 9) and **SCL** (Pin 10) signals.
 - TEST CONTROL** (Pin 3) outputs to the **OSCILLATOR & CLOCK**.
 - OSCILLATOR & CLOCK** (Pins 4, 5) outputs a **CLOCK** signal (Pin 4) and **DATA** signals (Pins 5 and 8) to the **INTERFACE REGISTER**.
 - OSCILLATOR & CLOCK** (Pins 4, 5) outputs a **CLOCK** signal (Pin 4) and **DATA** signals (Pins 5 and 8) to the **INTERFACE REGISTER**.
 - OSCILLATOR & CLOCK** (Pins 4, 5) outputs a **CLOCK** signal (Pin 4) and **DATA** signals (Pins 5 and 8) to the **INTERFACE REGISTER**.
 - OSCILLATOR & CLOCK** (Pins 4, 5) outputs a **CLOCK** signal (Pin 4) and **DATA** signals (Pins 5 and 8) to the **INTERFACE REGISTER**.
- Output Pins (Bottom):**
 - Pin 1 (MRO): Output from the **MULTI PATH DETECTOR**.
 - Pin 2 (MPH): Output from the **MULTI PATH DETECTOR**.
 - Pin 3 (TCON): Input to the **OSCILLATOR & CLOCK**.
 - Pin 4 (OSCO): Output from the **OSCILLATOR & CLOCK**.
 - Pin 5 (OSCI): Output from the **OSCILLATOR & CLOCK**.
 - Pin 6 (VSSD): Ground connection.
 - Pin 7 (VDDO): Ground connection.
 - Pin 8 (DAVN): Output from the **INTERFACE REGISTER**.
 - Pin 9 (SDA): Output from the **IIC BUS SLAVE TRANSCEIVER**.
 - Pin 10 (SCL): Output from the **IIC BUS SLAVE TRANSCEIVER**.

IC401 BD3802F (MAIN Board)



SECTION 4
EXPLODED VIEWS

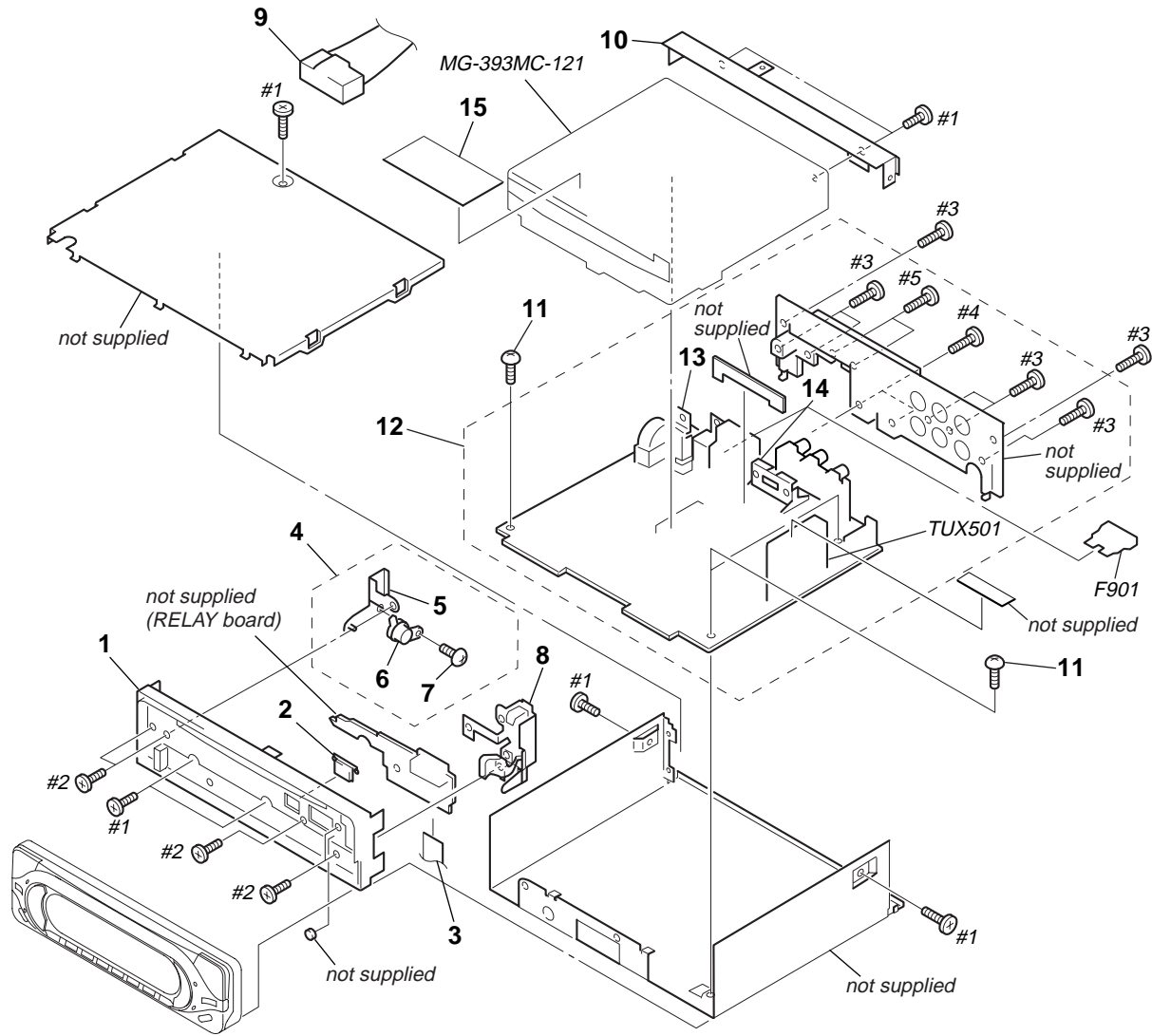
- NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - -XX and -X mean standardized parts, so they may have some difference from the original one.

- Color Indication of Appearance Parts
Example :
KNOB, BALANCE (WHITE) ... (RED)
Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.
- Abbreviation
CND: Canadian model

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

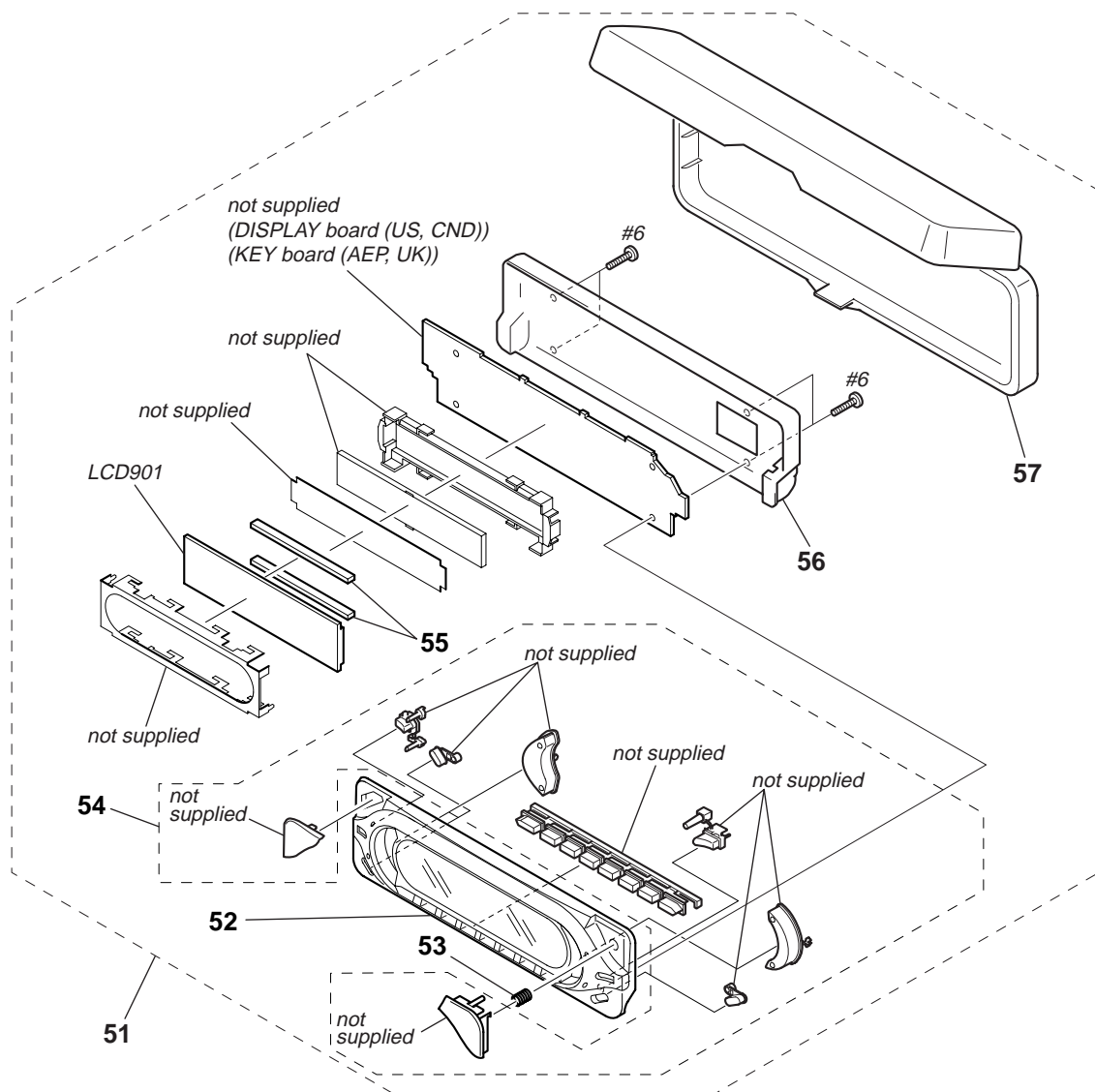
4-1. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
1	X-3382-626-1	PANEL ASSY (CD), SUB	
2	3-246-030-01	BUTTON (EJECT)	
3	1-792-173-11	CABLE, FLAT (FFC) 12P	
4	X-3376-686-4	GEAR ASSY	
* 5	X-3376-689-2	BRACKET (GEAR) ASSY	
6	3-030-909-03	DAMPER, OIL	
7	3-713-786-51	SCREW +P 2X3	
8	X-3376-687-2	LOCK ASSY	
9	1-776-207-82	CORD (WITH CONNECTOR) (POWER) (US,CND)	
9	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER) (AEP,UK)	
10	3-246-007-01	BRACKET (CD)	
11	3-922-535-11	SCREW (+BTT)	

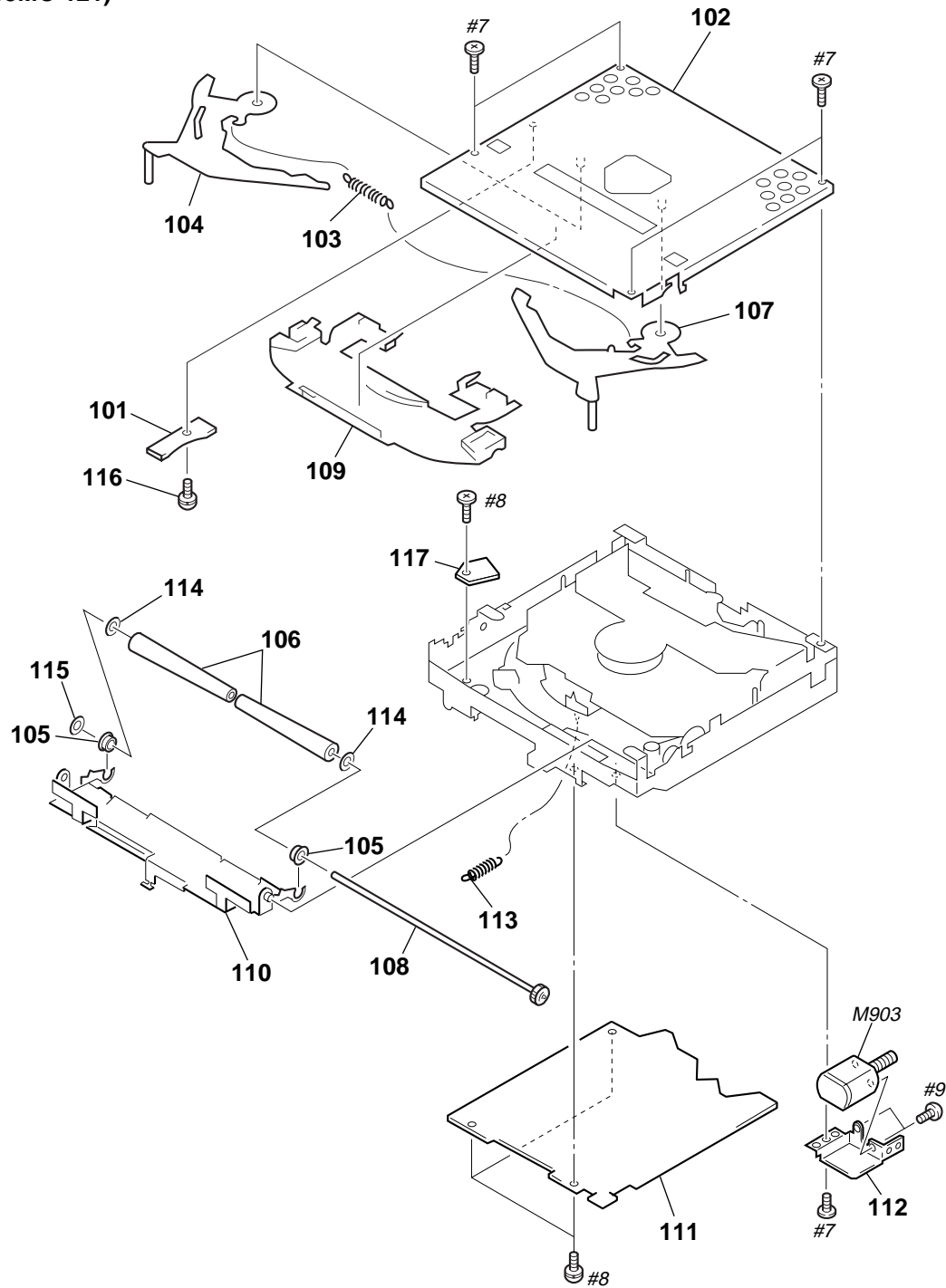
Ref. No.	Part No.	Description	Remark
12	A-3274-739-A	MAIN BOARD, COMPLETE (US,CND)	
12	A-3274-742-A	MAIN BOARD, COMPLETE (AEP,UK)	
13	3-041-261-11	BRACKET (TR)	
* 14	3-019-565-01	BRACKET (IC)	
15	3-223-913-11	LABEL (OP CAUTION) (AEP,UK)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
TUX501	A-3220-887-A	TUNER UNIT (TUX-030)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-621-772-20	SCREW +B 2X5	
#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#4	7-685-795-09	SCREW +PTT 2.6X12 (S)	
#5	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	

4-2. FRONT PANEL SECTION



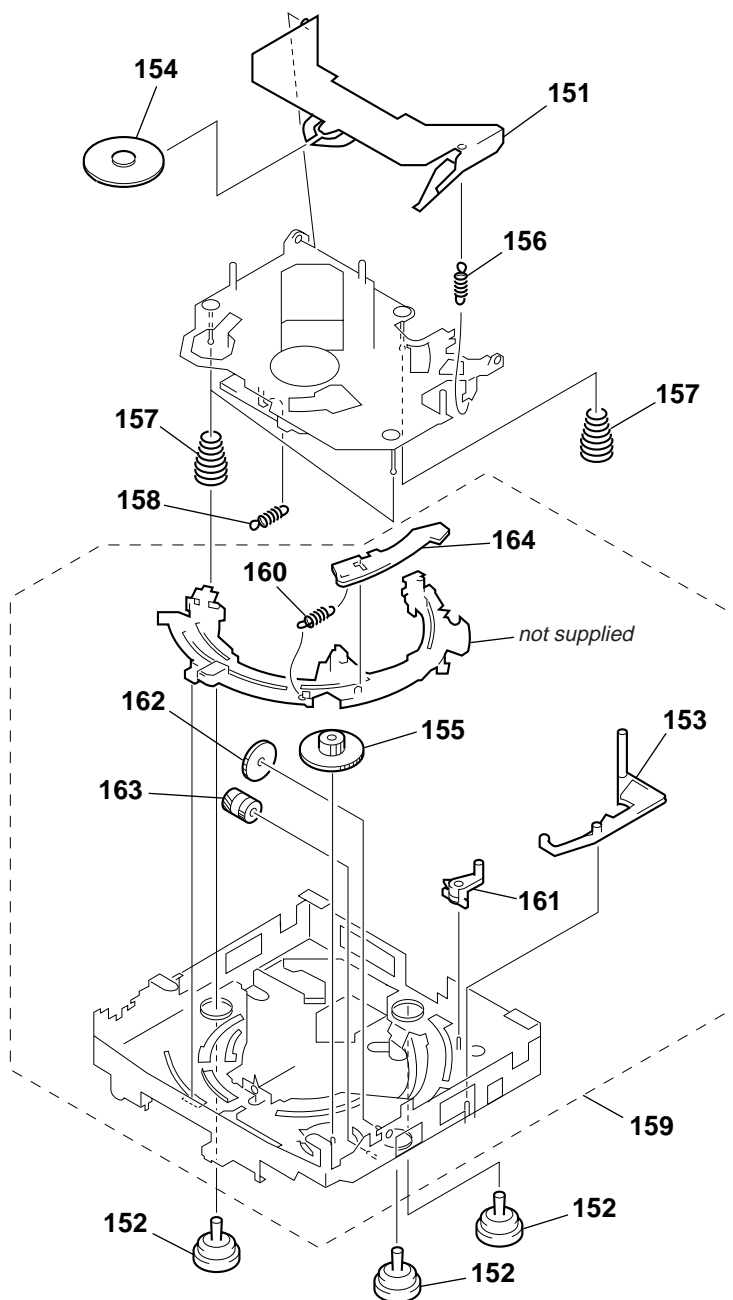
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
51	A-3337-163-A	OVERALL ASSY, FRONT PANEL (AEP,UK)		56	X-3382-625-1	PANEL ASSY, FRONT BACK (US,CND)	
51	A-3337-442-A	PANEL COMPLETE ASSY, FRONT (US,CND)		56	X-3382-702-1	PANEL ASSY, FRONT BACK (AEP,UK)	
52	X-3382-827-1	PANEL (S) ASSY, FRONT (AEP,UK)		57	X-3378-390-3	CASE ASSY (for FRONT PANEL) (US,CND)	
52	X-3383-151-1	PANEL (S) ASSY, FRONT (US,CND)		57	X-3378-490-2	CASE (PANEL) ASSY (for FRONT PANEL)	
53	3-246-534-01	SPRING (RELEASE) (US,CND)					(AEP,UK)
				LCD901	1-805-084-11	DISPLAY PANEL, LIQUID CRYSTAL	
53	3-246-778-01	SPRING (OPEN) (AEP,UK)		#6	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
54	X-3383-105-1	BUTTON ASSY (S) (AEP,UK)					
54	X-3383-169-1	BUTTON ASSY (S) (US,CND)					
55	1-694-976-11	CONDUCTIVE BOARD, CONNECTION (AEP,UK)					
55	1-694-989-11	CONDUCTIVE BOARD, CONNECTION (US,CND)					

4-3. CD MECHANISM SECTION (1)
(MG-393MC-121)



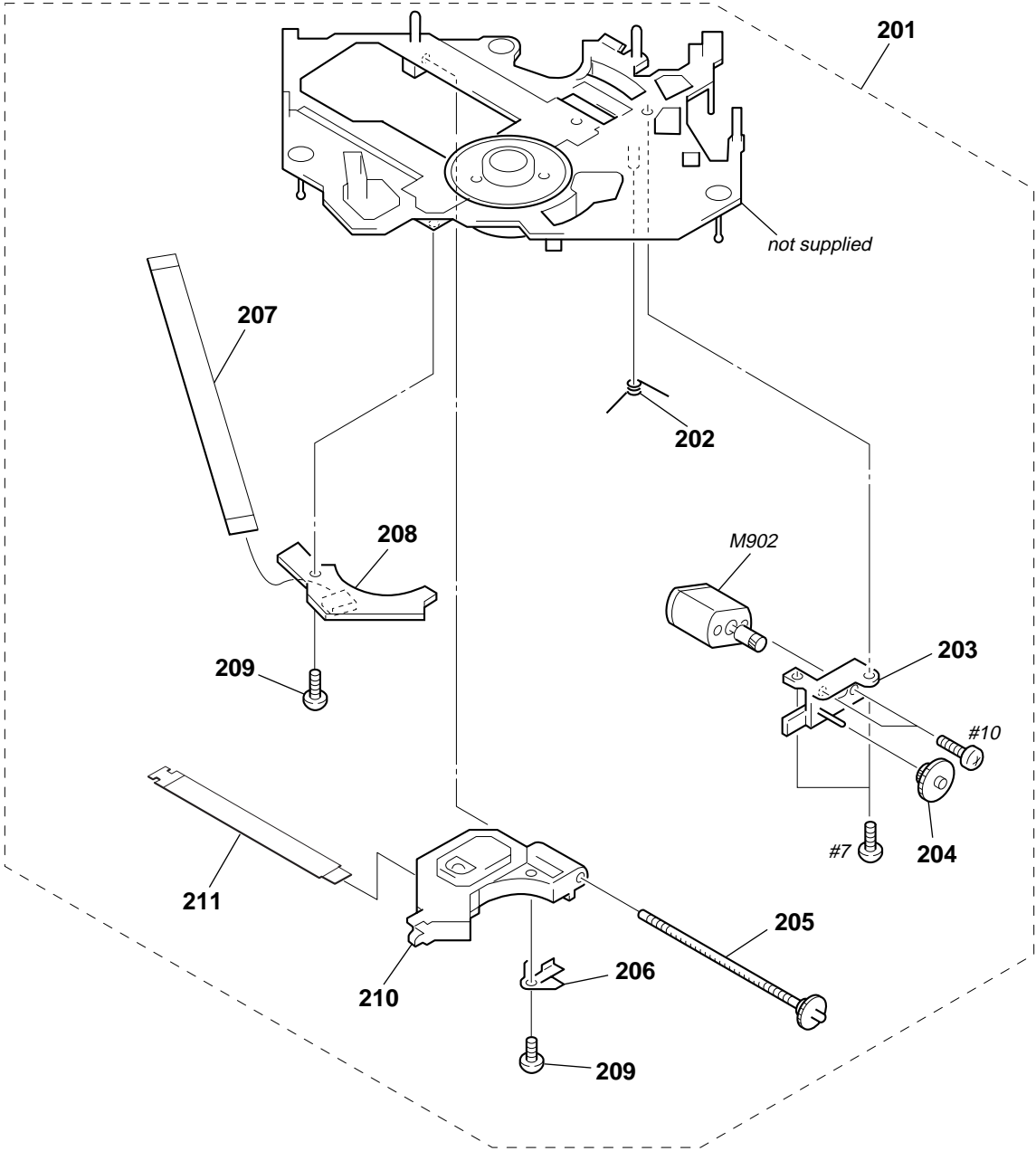
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-3274-253-A	DISC IN SW BOARD, COMPLETE		112	3-221-779-02	BRACKET (MOTOR)	
102	3-040-039-03	CHASSIS (T)		113	3-040-034-01	SPRING (RA), TENSION	
103	3-040-038-01	SPRING (LR), TENSION		114	3-040-042-01	WASHER	
104	3-040-050-01	LEVER (L)		115	3-043-880-01	RING (RA), RETAINING	
105	3-040-022-01	RETAINER (ROLLER), SHAFT		116	3-044-206-11	SCREW, SPECIAL	
106	3-040-044-01	ROLLER (S)		117	1-685-337-11	LOAD SW BOARD	
107	3-040-067-01	LEVER (R)		M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)	
108	A-3301-980-A	SHAFT ROLLER ASSY		#7	7-627-553-37	SCREW, PRECISION +P 2X3 TYPE 3	
109	3-040-037-01	GUIDE (DISC)		#8	7-628-253-00	SCREW, SPECIAL	
110	3-040-040-03	ARM (ROLLER)		#9	7-627-553-17	SCREW, PRECISION +P 2X2 TYPE 3	
111	A-3274-698-A	SERVO BOARD, COMPLETE					




4-4. CD MECHANISM SECTION (2) (MG-393MC-121)




Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-040-025-02	ARM, CHUCKING		158	3-040-033-01	SPRING (KF1), TENSION	
152	3-040-031-01	DAMPER (T)		159	A-3307-422-A	CHASSIS (M) COMPLETE ASSY	
153	3-040-056-01	LEVER (D)		160	3-040-059-01	SPRING (TR), TENSION	
154	3-040-024-01	RETAINER (DISC)		161	3-040-057-01	LEVER (LOCK)	
155	3-040-054-01	WHEEL (LW), WORM		162	3-040-058-01	GEAR (MDL)	
156	3-040-026-01	SPRING (CH), TENSION		163	3-040-052-01	WHEEL (U), WORM	
157	3-040-032-01	SPRING (FL), COMPRESSION		164	3-040-051-02	LEVER (TR)	

4-5. CD MECHANISM SECTION (3)
(MG-393MC-121)



The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
--	--

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	A-3337-193-A	FLOATING BLOCK ASSY		208	A-3274-254-A	LIMIT SW BOARD, COMPLETE	
202	3-040-029-01	SPRING (SL), TORSION		209	3-909-607-01	SCREW	
203	3-040-045-01	BASE (DRIVING)		 210	8-820-165-06	OPTICAL PICK-UP KSS-721A/C-RP	
204	3-040-194-01	GEAR (MIDWAY)		211	1-676-707-11	PICK-UP FLEXIBLE BOARD	
205	A-3301-983-A	SHAFT (FEED) ASSY		M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)	
206	3-040-030-01	SPRING (FEED), PLATE		#7	7-627-553-37	SCREW, PRECISION +P 2X3 TYPE 3	
207	1-823-951-11	CABLE, FLEXIBLE FLAT (16 CORE)		#10	7-627-850-28	SCREW, PRECISION +P 1.4X3	

SECTION 5 ELECTRICAL PARTS LIST

DISC IN SW

DISPLAY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
CND: Canadian model

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-3274-253-A	DISC IN SW BOARD, COMPLETE *****		LED903	8-719-053-09	LED SML-310VT-T86 (EQ3) (US,CND)	
*****				LED904	8-719-053-09	LED SML-310VT-T86 (DSO) (US,CND)	
		DISPLAY BOARD (US,CND) *****		LED905	8-719-053-09	LED SML-310VT-T86 (DSO) (US,CND)	
	1-694-989-11	CONDUCTIVE BOARD, CONNECTION (US,CND) < CAPACITOR >		LED906	8-719-053-09	LED SML-310VT-T86 (SEEK) (US,CND)	
C951	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V (US,CND)		LED910	6-500-459-01	LED NSCW505T-ARS (LCD BACK LIGHT) (US,CND)	
C952	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V (US,CND)		LED911	6-500-459-01	LED NSCW505T-ARS (LCD BACK LIGHT) (US,CND)	
C953	1-162-927-11	CERAMIC CHIP 100PF 5% 50V (US,CND)				< SWITCH >	
C954	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V (US,CND)		LSW901	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (OFF) (US,CND)	
C955	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V (US,CND)		LSW902	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (MODE) (US,CND)	
C956	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V (US,CND)		LSW903	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (SEL) (US,CND)	
		< CONNECTOR >		LSW904	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (VOLUME +) (US,CND)	
CN901	1-817-158-11	PLUG, CONNECTOR 14P (US,CND) < DIODE >		LSW905	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (VOLUME -) (US,CND)	
D901	8-719-083-66	DIODE UDZS-TE-17-18B (US,CND)		LSW906	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (ATT) (US,CND)	
D902	8-719-978-33	DIODE DTZ-TT11-6.8B (US,CND)		LSW907	1-771-883-31	SWITCH, TACTILE (WITH LED) (SENS) (US,CND)	
D903	8-719-978-33	DIODE DTZ-TT11-6.8B (US,CND)		LSW908	1-771-883-31	SWITCH, TACTILE (WITH LED) (1/DISC -) (US,CND)	
D904	8-719-978-33	DIODE DTZ-TT11-6.8B (US,CND)		LSW909	1-771-883-31	SWITCH, TACTILE (WITH LED) (2/DISC +) (US,CND)	
D905	8-719-988-61	DIODE 1SS355TE-17 (US,CND)		LSW910	1-771-883-31	SWITCH, TACTILE (WITH LED) (3/REP) (US,CND)	
D907	8-719-978-33	DIODE DTZ-TT11-6.8B (US,CND)		LSW911	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (+ $\blacktriangleright\blacktriangleright\blacktriangleright$ SEEK) (US,CND)	
D951	8-719-069-54	DIODE UDZS-TE-17-5.1B (US,CND) < IC >		LSW912	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (SEEK $\blacktriangleleft\blacktriangleleft\blacktriangleleft$ -) (US,CND)	
IC901	8-759-826-21	IC LC75874W (US,CND)		LSW913	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (DSPL) (US,CND)	
IC951	8-749-017-35	IC KSM-401N (US,CND) < LIQUID CRYSTAL DISPLAY >		LSW914	1-771-883-31	SWITCH, TACTILE (WITH LED) (BTM) (US,CND)	
LCD901	1-805-084-11	DISPLAY PANEL, LIQUID CRYSTAL (US,CND) < DIODE >		LSW915	1-771-883-31	SWITCH, TACTILE (WITH LED) (6) (US,CND)	
LED901	8-719-053-09	LED SML-310VT-T86 (SOURCE) (US,CND)		LSW916	1-771-883-31	SWITCH, TACTILE (WITH LED) (5) (US,CND)	
LED902	8-719-053-09	LED SML-310VT-T86 (EQ3) (US,CND)		LSW917	1-771-883-31	SWITCH, TACTILE (WITH LED) (4/SHUF) (US,CND)	
						< RESISTOR >	
				R901	1-216-819-11	METAL CHIP 680 5% 1/10W (US,CND)	

CDX-MP40

DISPLAY

KEY

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R902	1-216-819-11	METAL CHIP	680	5%	1/10W (US,CND)	R960	1-216-821-11	METAL CHIP	1K	5%	1/10W (US,CND)
R903	1-216-819-11	METAL CHIP	680	5%	1/10W (US,CND)	R961	1-216-857-11	METAL CHIP	1M	5%	1/10W (US,CND)
R904	1-216-821-11	METAL CHIP	1K	5%	1/10W (US,CND)	R962	1-216-821-11	METAL CHIP	1K	5%	1/10W (US,CND)
R905	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (US,CND)	R966	1-216-815-11	METAL CHIP	330	5%	1/10W (US,CND)
R906	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (US,CND)	R967	1-216-817-11	METAL CHIP	470	5%	1/10W (US,CND)
R907	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (US,CND)	R968	1-216-815-11	METAL CHIP	330	5%	1/10W (US,CND)
R908	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (US,CND)	R969	1-216-817-11	METAL CHIP	470	5%	1/10W (US,CND)
R909	1-216-834-11	METAL CHIP	12K	5%	1/10W (US,CND)	R972	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R910	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (US,CND)	R973	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R912	1-216-819-11	METAL CHIP	680	5%	1/10W (US,CND)	R974	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R913	1-216-819-11	METAL CHIP	680	5%	1/10W (US,CND)	R975	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R914	1-216-819-11	METAL CHIP	680	5%	1/10W (US,CND)	R976	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R915	1-216-826-11	METAL CHIP	2.7K	5%	1/10W (US,CND)	R977	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R916	1-218-867-11	METAL CHIP	6.8K	5%	1/10W (US,CND)	R978	1-216-811-11	METAL CHIP	150	5%	1/10W (US,CND)
R917	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (US,CND)	R979	1-216-811-11	METAL CHIP	150	5%	1/10W (US,CND)
R918	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (US,CND)	R980	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R919	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (US,CND)	R981	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R920	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (US,CND)	R982	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R940	1-216-815-11	METAL CHIP	330	5%	1/10W (US,CND)	R983	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)
R941	1-216-817-11	METAL CHIP	470	5%	1/10W (US,CND)	< SWITCH >					
R942	1-216-815-11	METAL CHIP	330	5%	1/10W (US,CND)	S901	1-771-884-31	SWITCH, TACTILE (WITH LED) (SOURCE)			(US,CND)
R943	1-216-817-11	METAL CHIP	470	5%	1/10W (US,CND)	S902	1-771-884-31	SWITCH, TACTILE (WITH LED) (EQ3)			(US,CND)
R951	1-216-815-11	METAL CHIP	330	5%	1/10W (US,CND)	S903	1-771-884-31	SWITCH, TACTILE (WITH LED) (DSO)			(US,CND)
R952	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (US,CND)	*****					
R953	1-216-821-11	METAL CHIP	1K	5%	1/10W (US,CND)	KEY BOARD (AEP,UK) *****					
R954	1-216-821-11	METAL CHIP	1K	5%	1/10W (US,CND)	1-694-976-11 CONDUCTIVE BOARD, CONNECTION (AEP,UK)					
R955	1-216-821-11	METAL CHIP	1K	5%	1/10W (US,CND)	< CAPACITOR >					
R956	1-216-821-11	METAL CHIP	1K	5%	1/10W (US,CND)	C971	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP,UK)
R957	1-216-850-11	METAL CHIP	270K	5%	1/10W (US,CND)	C981	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (AEP,UK)
R958	1-216-809-11	METAL CHIP	100	5%	1/10W (US,CND)	C982	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (AEP,UK)
R959	1-216-821-11	METAL CHIP	1K	5%	1/10W (US,CND)	C983	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP,UK)
						C984	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP,UK)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C985	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V (AEP,UK)	LSW918	1-771-883-31	SWITCH, TACTILE (WITH LED) (5/ALBUM -)	(AEP,UK)
C986	1-127-715-11	CERAMIC CHIP 0.22uF 10%	16V (AEP,UK)	LSW919	1-771-883-31	SWITCH, TACTILE (WITH LED) (4/SHUF)	(AEP,UK)
< CONNECTOR >				LSW920	1-771-883-31	SWITCH, TACTILE (WITH LED) (3/REP)	(AEP,UK)
CN901	1-817-158-21	PLUG, CONNECTOR 14P (AEP,UK)		LSW921	1-771-883-31	SWITCH, TACTILE (WITH LED) (2/DISC +)	(AEP,UK)
< DIODE >				LSW922	1-771-883-31	SWITCH, TACTILE (WITH LED) (1/DISC -)	(AEP,UK)
D901	8-719-085-72	DIODE UMZ6.8ENTR (AEP,UK)		< RESISTOR >			
D902	8-719-083-66	DIODE UDZS-TE-17-18B (AEP,UK)		R901	1-216-819-11	METAL CHIP 680 5%	1/10W (AEP,UK)
D981	8-719-069-54	DIODE UDZS-TE-17-5.1B (AEP,UK)		R902	1-216-819-11	METAL CHIP 680 5%	1/10W (AEP,UK)
D983	8-719-404-50	DIODE MA111-TX (AEP,UK)		R903	1-216-819-11	METAL CHIP 680 5%	1/10W (AEP,UK)
< IC >				R904	1-216-821-11	METAL CHIP 1K 5%	1/10W (AEP,UK)
IC901	8-759-826-21	IC LC75874W (AEP,UK)		R905	1-216-823-11	METAL CHIP 1.5K 5%	1/10W (AEP,UK)
IC971	6-600-163-01	IC RS-770 (AEP,UK)		R906	1-216-823-11	METAL CHIP 1.5K 5%	1/10W (AEP,UK)
< LIQUID CRYSTAL DISPLAY >				R907	1-216-825-11	METAL CHIP 2.2K 5%	1/10W (AEP,UK)
LCD901	1-805-084-11	DISPLAY PANEL, LIQUID CRYSTAL (AEP,UK)		R908	1-216-827-11	METAL CHIP 3.3K 5%	1/10W (AEP,UK)
< DIODE >				R909	1-216-829-11	METAL CHIP 4.7K 5%	1/10W (AEP,UK)
LED903	6-500-450-01	LED CL-195SR-CD-T (DSO) (AEP,UK)		R910	1-218-867-11	METAL CHIP 6.8K 5%	1/10W (AEP,UK)
LED911	6-500-450-01	LED CL-195SR-CD-T (EQ3) (AEP,UK)		R911	1-216-819-11	METAL CHIP 680 5%	1/10W (AEP,UK)
LED933	6-500-459-01	LED NSCW505T-ARS (LCD BACK LIGHT) (AEP,UK)		R912	1-216-819-11	METAL CHIP 680 5%	1/10W (AEP,UK)
LED934	6-500-459-01	LED NSCW505T-ARS (LCD BACK LIGHT) (AEP,UK)		R913	1-216-819-11	METAL CHIP 680 5%	1/10W (AEP,UK)
LED951	6-500-450-01	LED CL-195SR-CD-T (EQ3) (AEP,UK)		R914	1-216-821-11	METAL CHIP 1K 5%	1/10W (AEP,UK)
LED952	6-500-450-01	LED CL-195SR-CD-T (SEEK) (AEP,UK)		R915	1-216-823-11	METAL CHIP 1.5K 5%	1/10W (AEP,UK)
LED953	6-500-450-01	LED CL-195SR-CD-T (DSO) (AEP,UK)		R916	1-216-823-11	METAL CHIP 1.5K 5%	1/10W (AEP,UK)
LED954	6-500-450-01	LED CL-195SR-CD-T (SOURCE) (AEP,UK)		R917	1-216-825-11	METAL CHIP 2.2K 5%	1/10W (AEP,UK)
< SWITCH >				R918	1-216-827-11	METAL CHIP 3.3K 5%	1/10W (AEP,UK)
LSW901	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (OFF) (AEP,UK)		R919	1-216-829-11	METAL CHIP 4.7K 5%	1/10W (AEP,UK)
LSW904	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (SEL) (AEP,UK)		R920	1-218-867-11	METAL CHIP 6.8K 5%	1/10W (AEP,UK)
LSW905	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (VOLUME +) (AEP,UK)		R921	1-216-833-11	METAL CHIP 10K 5%	1/10W (AEP,UK)
LSW906	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (VOLUME -) (AEP,UK)		R927	1-216-025-11	RES-CHIP 100 5%	1/10W (AEP,UK)
LSW907	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (ATT) (AEP,UK)		R928	1-216-021-00	METAL CHIP 68 5%	1/10W (AEP,UK)
LSW908	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (MODE) (AEP,UK)		R929	1-216-033-00	METAL CHIP 220 5%	1/10W (AEP,UK)
LSW909	1-771-883-31	SWITCH, TACTILE (WITH LED) (AF) (AEP,UK)		R930	1-216-017-11	RES-CHIP 47 5%	1/10W (AEP,UK)
LSW910	1-771-883-31	SWITCH, TACTILE (WITH LED) (SENS/BTM) (AEP,UK)					
LSW912	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (DSPL) (AEP,UK)					
LSW913	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (+ ►►► ►► SEEK) (AEP,UK)					
LSW914	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (SEEK ◀◀◀◀ -) (AEP,UK)					
LSW915	1-771-883-31	SWITCH, TACTILE (WITH LED) (TA) (AEP,UK)					
LSW916	1-771-883-31	SWITCH, TACTILE (WITH LED) (PTY/LIST) (AEP,UK)					
LSW917	1-771-883-31	SWITCH, TACTILE (WITH LED) (6/ALBUM +) (AEP,UK)					

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KEY	LIMIT SW	LOAD SW	MAIN
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Ref. No.	Part No.	Description	Remark
R931	1-216-041-00	METAL CHIP	470 5% 1/10W (AEP,UK)
R934	1-216-017-11	RES-CHIP	47 5% 1/10W (AEP,UK)
R935	1-216-025-11	RES-CHIP	100 5% 1/10W (AEP,UK)
R936	1-216-021-00	METAL CHIP	68 5% 1/10W (AEP,UK)
R941	1-216-025-11	RES-CHIP	100 5% 1/10W (AEP,UK)
R942	1-216-021-00	METAL CHIP	68 5% 1/10W (AEP,UK)
R946	1-216-025-11	RES-CHIP	100 5% 1/10W (AEP,UK)
R947	1-216-021-00	METAL CHIP	68 5% 1/10W (AEP,UK)
R950	1-216-025-11	RES-CHIP	100 5% 1/10W (AEP,UK)
R951	1-216-021-00	METAL CHIP	68 5% 1/10W (AEP,UK)
R960	1-216-025-11	RES-CHIP	100 5% 1/10W (AEP,UK)
R961	1-216-025-11	RES-CHIP	100 5% 1/10W (AEP,UK)
R962	1-216-029-00	METAL CHIP	150 5% 1/10W (AEP,UK)
R966	1-216-025-11	RES-CHIP	100 5% 1/10W (AEP,UK)
R967	1-216-037-00	METAL CHIP	330 5% 1/10W (AEP,UK)
R970	1-216-864-11	METAL CHIP	0 5% 1/10W (AEP,UK)
R971	1-216-821-11	METAL CHIP	1K 5% 1/10W (AEP,UK)
R972	1-216-809-11	METAL CHIP	100 5% 1/10W (AEP,UK)
R975	1-216-817-11	METAL CHIP	470 5% 1/10W (AEP,UK)
R976	1-216-817-11	METAL CHIP	470 5% 1/10W (AEP,UK)
R977	1-216-817-11	METAL CHIP	470 5% 1/10W (AEP,UK)
R978	1-216-817-11	METAL CHIP	470 5% 1/10W (AEP,UK)
R979	1-216-817-11	METAL CHIP	470 5% 1/10W (AEP,UK)
R980	1-216-817-11	METAL CHIP	470 5% 1/10W (AEP,UK)
R981	1-216-811-11	METAL CHIP	150 5% 1/10W (AEP,UK)
R982	1-216-811-11	METAL CHIP	150 5% 1/10W (AEP,UK)
R983	1-216-811-11	METAL CHIP	150 5% 1/10W (AEP,UK)
R985	1-216-864-11	METAL CHIP	0 5% 1/10W (AEP,UK)
R986	1-216-821-11	METAL CHIP	1K 5% 1/10W (AEP,UK)
R987	1-216-821-11	METAL CHIP	1K 5% 1/10W (AEP,UK)
R988	1-216-821-11	METAL CHIP	1K 5% 1/10W (AEP,UK)

Ref. No.	Part No.	Description	Remark
R989	1-216-840-11	METAL CHIP	39K 5% 1/10W (AEP,UK)
R990	1-216-857-11	METAL CHIP	1M 5% 1/10W (AEP,UK)
		< SWITCH >	
S902	1-771-884-31	SWITCH, TACTILE (WITH LED) (SOURCE)	(AEP,UK)
S903	1-771-884-31	SWITCH, TACTILE (WITH LED) (DSO)	(AEP,UK)
S911	1-771-884-31	SWITCH, TACTILE (WITH LED) (EQ3)	(AEP,UK)

	A-3274-254-A	LIMIT SW BOARD, COMPLETE	*****
		< CONNECTOR >	
CN13	1-816-275-21	CONNECTOR, FFC/FPC 6P	*****

	1-685-337-11	LOAD SW BOARD	*****

	A-3274-739-A	MAIN BOARD, COMPLETE (US,CND)	
	A-3274-742-A	MAIN BOARD, COMPLETE (AEP,UK)	*****

*	3-019-565-01	BRACKET (IC)	
	3-041-261-11	BRACKET (TR)	
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
	7-685-793-09	SCREW +PTT 2.6X8 (S)	
	7-685-795-09	SCREW +PTT 2.6X12 (S)	
		< CAPACITOR >	
C101	1-136-154-00	FILM	0.012uF 5% 50V
C106	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C109	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C201	1-136-154-00	FILM	0.012uF 5% 50V
C202	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C203	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C204	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C205	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C206	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C207	1-164-160-11	CERAMIC CHIP	20PF 5% 50V
C208	1-126-160-11	ELECT	1uF 20% 50V
C209	1-126-160-11	ELECT	1uF 20% 50V
C210	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V
C211	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V
C212	1-126-160-11	ELECT	1uF 20% 50V
C213	1-126-160-11	ELECT	1uF 20% 50V
C215	1-104-946-11	ELECT	10uF 20% 35V
C401	1-128-428-11	ELECT	10uF 20% 35V
C402	1-128-428-11	ELECT	10uF 20% 35V
C403	1-128-428-11	ELECT	10uF 20% 35V
C404	1-128-428-11	ELECT	10uF 20% 35V
C405	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C406	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C407	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V
C408	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C409	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	C808	1-162-918-11	CERAMIC CHIP 18PF 5% 50V	
C411	1-124-233-11	ELECT	10uF 20% 16V	C809	1-164-160-11	CERAMIC CHIP 20PF 5% 50V	
C412	1-128-428-11	ELECT	10uF 20% 35V	C810	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V	
C413	1-136-177-00	MYLAR	1uF 5% 50V	C811	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C415	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C812	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C416	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C813	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	(AEP,UK)
C417	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C813	1-216-864-11	METAL CHIP 0 5% 1/10W	(US,CND)
C418	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C814	1-164-160-11	CERAMIC CHIP 20PF 5% 50V	
C419	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C815	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C420	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C816	1-109-982-11	CERAMIC CHIP 1uF 10% 10V	
C421	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C817	1-124-589-11	ELECT 47uF 20% 10V	
C423	1-126-160-11	ELECT	1uF 20% 50V	C818	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V	
C424	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C821	1-164-160-11	CERAMIC CHIP 20PF 5% 50V	
C425	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C822	1-164-160-11	CERAMIC CHIP 20PF 5% 50V	
C426	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C823	1-164-160-11	CERAMIC CHIP 20PF 5% 50V	
C427	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C825	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C428	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C826	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C429	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C827	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C503	1-124-259-11	ELECT	4.7uF 20% 16V	C901	1-135-473-21	ELECT 3300uF 20% 16V	
C505	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C902	1-115-156-11	CERAMIC CHIP 1uF 10V	(AEP,UK)
C506	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C905	1-115-156-11	CERAMIC CHIP 1uF 10V	(AEP,UK)
C507	1-124-589-11	ELECT	47uF 20% 16V	C907	1-125-972-61	ELECT 100uF 20% 16V	
C615	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C909	1-126-160-11	ELECT 1uF 20% 50V	
C616	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C910	1-126-154-11	ELECT 47uF 20% 6.3V	
C617	1-162-916-11	CERAMIC CHIP	12PF 5% 50V	C916	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V	
C618	1-162-916-11	CERAMIC CHIP	12PF 5% 50V	C917	1-124-584-00	ELECT 100uF 20% 10V	
C621	1-164-360-11	CERAMIC CHIP	0.1uF 16V	C918	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C622	1-162-959-11	CERAMIC CHIP	330PF 5% 50V	C920	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C623	1-125-838-11	CERAMIC CHIP	2.2uF 10% 6.3V	C922	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C624	1-164-739-11	CERAMIC CHIP	560PF 5% 50V	< CONNECTOR >			
C629	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	CNJ801	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN)	
C701	1-124-589-11	ELECT	47uF 20% 16V	CNP701	1-815-260-11	CONNECTOR, BOARD TO BOARD 30P	
C702	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	CNP802	1-569-907-11	SOCKET, CONNECTOR 12P	
C703	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	CNP901	1-774-701-11	PIN, CONNECTOR 16P	
C704	1-164-160-11	CERAMIC CHIP	20PF 5% 50V	< JACK >			
C705	1-164-160-11	CERAMIC CHIP	20PF 5% 50V	CNP801	1-764-270-21	JACK, STEREO MINIATURE (DIA.3.5)	(REMOTE IN)
C712	1-124-584-00	ELECT	100uF 20% 10V	< DIODE >			
C713	1-124-584-00	ELECT	100uF 20% 10V	D701	8-719-991-33	DIODE 1SS133T-77	
C714	1-124-584-00	ELECT	100uF 20% 10V	D801	8-719-083-66	DIODE UDZS-TE-17-18B	
C715	1-128-057-11	ELECT	330uF 20% 6.3V	D802	8-719-069-56	DIODE UDZS-TE-17-6.2B	
C716	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D804	8-719-058-24	DIODE RB501V-40TE-17	
C717	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D805	8-719-083-66	DIODE UDZS-TE-17-18B	
C718	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	D806	8-719-083-66	DIODE UDZS-TE-17-18B	
C719	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D807	8-719-991-33	DIODE 1SS133T-77	
C802	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D808	8-719-988-61	DIODE 1SS355TE-17	
C803	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D809	8-719-988-61	DIODE 1SS355TE-17	
C804	1-126-940-11	ELECT	330uF 20% 16V	D810	8-719-988-61	DIODE 1SS355TE-17	
C805	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D811	8-719-978-33	DIODE DTZ-TT11-6.8B	
C806	1-128-647-11	DOUBLE LAYERS	0.1F 5.5V	D812	8-719-978-33	DIODE DTZ-TT11-6.8B	
C807	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D813	8-719-978-33	DIODE DTZ-TT11-6.8B	
				D814	8-719-978-33	DIODE DTZ-TT11-6.8B	

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D815	8-719-978-33	DIODE DTZ-TT11-6.8B		JR806	1-216-864-11	METAL CHIP 0 5% 1/10W	
D816	8-719-978-33	DIODE DTZ-TT11-6.8B		JR807	1-216-864-11	METAL CHIP 0 5% 1/10W	
D817	8-719-978-33	DIODE DTZ-TT11-6.8B		JR904	1-216-864-11	METAL CHIP 0 5% 1/10W	
D818	8-719-988-61	DIODE 1SS355TE-17		JR906	1-216-864-11	METAL CHIP 0 5% 1/10W	
D819	8-719-988-61	DIODE 1SS355TE-17				< COIL >	
D901	8-719-200-82	DIODE 11ES2		L701	1-216-864-11	METAL CHIP 0 5% 1/10W	
D902	8-719-200-82	DIODE 11ES2		L702	1-414-398-11	INDUCTOR 10uH	
D903	8-719-200-82	DIODE 11ES2		L703	1-469-144-21	FERRITE, EMI (SMD)	
D904	8-719-200-82	DIODE 11ES2		L704	1-414-398-11	INDUCTOR 10uH	
D905	8-719-200-82	DIODE 11ES2		L900	1-419-476-31	COIL, CHOKE 250uH	
D906	8-719-053-18	DIODE 1SR154-400TE-25				< JACK >	
D907	8-719-053-18	DIODE 1SR154-400TE-25		PJ401	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN, AUDIO OUT REAR/FRONT)	
D908	8-719-200-82	DIODE 11ES2		PJ601	1-793-598-11	JACK (ANTENNA)	
D909	8-719-049-38	DIODE 1NS404TU				< TRANSISTOR >	
D910	8-719-200-82	DIODE 11ES2		Q401	8-729-920-21	TRANSISTOR DTC314TK-T-146	
D911	8-719-200-82	DIODE 11ES2		Q402	8-729-920-21	TRANSISTOR DTC314TK-T-146	
D912	8-719-978-33	DIODE DTZ-TT11-6.8B		Q403	8-729-920-21	TRANSISTOR DTC314TK-T-146	
D915	8-719-200-82	DIODE 11ES2		Q404	8-729-920-21	TRANSISTOR DTC314TK-T-146	
D916	8-719-069-55	DIODE UDZS-TE-17-5.6B		Q602	8-729-055-96	TRANSISTOR SRC1203SF (AEP,UK)	
D917	8-719-929-15	DIODE HZS9.1N-B2		Q801	8-729-055-96	TRANSISTOR SRC1203SF	
D918	8-719-988-61	DIODE 1SS355TE-17		Q802	8-729-055-92	TRANSISTOR SRA2203SF	
D919	8-719-109-89	DIODE RD5.6ES-B2		Q803	8-729-055-92	TRANSISTOR SRA2203SF	
D920	8-719-988-61	DIODE 1SS355TE-17		Q804	8-729-055-96	TRANSISTOR SRC1203SF	
D921	8-719-988-61	DIODE 1SS355TE-17		Q805	8-729-055-96	TRANSISTOR SRC1203SF	
D923	8-719-200-82	DIODE 11ES2		Q806	8-729-055-92	TRANSISTOR SRA2203SF	
D925	8-719-978-33	DIODE DTZ-TT11-6.8B		Q901	8-729-049-40	TRANSISTOR 2SC5343SFG	
D926	8-719-921-63	DIODE MTZJ-7.5B		Q902	8-729-049-40	TRANSISTOR 2SC5343SFG	
D927	8-719-069-55	DIODE UDZS-TE-17-5.6B		Q903	8-729-015-11	TRANSISTOR 2SD1802FAST-TL	
		< FERRITE BEAD >		Q904	8-729-055-92	TRANSISTOR SRA2203SF	
FB601	1-414-235-22	INDUCTOR, FERRITE BEAD (AEP,UK)		Q905	8-729-055-96	TRANSISTOR SRC1203SF	
FB701	1-469-144-21	FERRITE, EMI (SMD)		Q906	8-729-019-00	TRANSISTOR 2SD2394-G	
FB801	1-414-235-22	INDUCTOR, FERRITE BEAD		Q907	8-729-055-92	TRANSISTOR SRA2203SF	
		< IC >		Q908	8-729-055-96	TRANSISTOR SRC1203SF	
IC401	6-703-304-01	IC BD3802F-FE2		Q909	8-729-049-43	TRANSISTOR STB1132Y	
IC501	8-759-827-14	IC TA8268AH		Q910	8-729-055-96	TRANSISTOR SRC1203SF	
IC601	6-703-809-01	IC SAA6588TV2-518 (AEP,UK)		Q911	8-729-049-40	TRANSISTOR 2SC5343SFG	
IC701	8-759-679-05	IC TC7WH34FU(TE12R)		Q912	8-729-019-00	TRANSISTOR 2SD2394-G	
IC801	6-802-685-01	IC MN101C49KSJ		Q913	8-729-055-92	TRANSISTOR SRA2203SF	
IC802	6-701-405-01	IC PST3443UL		Q914	8-729-055-96	TRANSISTOR SRC1203SF	
IC803	8-759-096-16	IC MM1175XFF		Q915	8-729-055-96	TRANSISTOR SRC1203SF	
IC902	6-703-986-01	IC NJU7222U33-TE1		Q916	8-729-920-85	TRANSISTOR 2SD1664-QR	
		< JUMPER RESISTOR >		Q917	8-729-055-96	TRANSISTOR SRC1203SF	
JR115	1-216-864-11	METAL CHIP 0 5% 1/10W		Q918	8-729-049-43	TRANSISTOR STB1132Y	
JR116	1-216-864-11	METAL CHIP 0 5% 1/10W		Q919	8-729-055-96	TRANSISTOR SRC1203SF	
JR401	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V		Q920	8-729-820-46	TRANSISTOR 2SB1202FAS	
JR402	1-216-864-11	METAL CHIP 0 5% 1/10W		Q921	8-729-055-96	TRANSISTOR SRC1203SF	
JR403	1-216-864-11	METAL CHIP 0 5% 1/10W		Q922	8-729-820-46	TRANSISTOR 2SB1202FAS	
JR405	1-216-864-11	METAL CHIP 0 5% 1/10W		Q923	8-729-055-92	TRANSISTOR SRA2203SF	
JR601	1-216-864-11	METAL CHIP 0 5% 1/10W (AEP,UK)		Q924	8-729-055-96	TRANSISTOR SRC1203SF	
JR602	1-216-864-11	METAL CHIP 0 5% 1/10W				< RESISTOR >	
JR801	1-216-845-11	METAL CHIP 100K 5% 1/10W (US,CND)		R101	1-216-833-11	METAL CHIP 10K 5% 1/10W	
JR803	1-216-864-11	METAL CHIP 0 5% 1/10W		R102	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR805	1-216-864-11	METAL CHIP 0 5% 1/10W		R103	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R104	1-216-833-11	METAL CHIP 10K 5% 1/10W	

< SWITCH >

CDX-MP40

MAIN

RELAY

SERVO

Ref. No.	Part No.	Description	Remark			
< THERMISTOR (POSITIVE) >						
TH900	1-801-792-21	THERMISTOR, POSITIVE				
TH901	1-810-940-11	THERMISTOR, POSITIVE				
< TUNER >						
TUX501	A-3220-887-A	TUNER UNIT (TUX-030)				
< VIBRATOR >						
X601	1-760-556-31	VIBRATOR, CRYSTAL (4.332MHz) (AEP,UK)				
X801	1-795-165-11	VIBRATOR, CERAMIC (18.43MHz)				
X802	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)				

RELAY BOARD						

	1-792-173-11	CABLE, FLAT (FFC) 12P (CNP903)				
< CAPACITOR >						
C973	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C974	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
< CONNECTOR >						
CNP902	1-817-159-11	SOCKET, CONNECTOR 14P				
< DIODE >						
D901	8-719-978-33	DIODE DTZ-TT11-6.8B				
D902	8-719-978-33	DIODE DTZ-TT11-6.8B				
D903	8-719-978-33	DIODE DTZ-TT11-6.8B				
D904	8-719-978-33	DIODE DTZ-TT11-6.8B				
D905	8-719-978-33	DIODE DTZ-TT11-6.8B				
D906	8-719-978-33	DIODE DTZ-TT11-6.8B				
D907	8-719-978-33	DIODE DTZ-TT11-6.8B				
LED930	8-719-082-38	LED CL-270SR-C-TS (CD WINDOW)				
LED931	8-719-053-09	LED SML-310VT-T86 (▲)				
< RESISTOR >						
R930	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R931	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R932	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
< SWITCH >						
S931	1-771-884-31	SWITCH, TACTILE (WITH LED) (▲)				

	A-3274-698-A	SERVO BOARD, COMPLETE				

< CAPACITOR >						
C1	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C3	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C4	1-104-609-11	ELECT CHIP	100uF	20%	4V	
C5	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C6	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C9	1-162-924-11	CERAMIC CHIP	56PF	5%	50V	
C10	1-162-924-11	CERAMIC CHIP	56PF	5%	50V	
C11	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	

Ref. No.	Part No.	Description	Remark			
C13	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C14	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C16	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C18	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C19	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C20	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C21	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C22	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C23	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C27	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C29	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C30	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C34	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C35	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C36	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C38	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C39	1-126-391-11	ELECT CHIP	47uF	20%	6.3V	
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C41	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C43	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	
C44	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C45	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C51	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C53	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C54	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C56	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C58	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C59	1-104-609-11	ELECT CHIP	100uF	20%	4V	
C60	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C61	1-126-391-11	ELECT CHIP	47uF	20%	6.3V	
C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C65	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C67	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	
C68	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C69	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C70	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C75	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C77	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C78	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C79	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C81	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C102	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C111	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C112	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C113	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C114	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
< CONNECTOR >						
CN1	1-815-352-11	CONNECTOR, BOARD TO BOARD 30P				
CN2	1-794-153-21	CONNECTOR, FPC (ZIF) 16P				
CN3	1-816-275-21	CONNECTOR, FFC/FPC 6P				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< FERRITE BEAD >				R53	1-216-809-11	METAL CHIP	100 5% 1/10W
FB2	1-216-864-11	METAL CHIP 0	5% 1/10W	R54	1-216-809-11	METAL CHIP	100 5% 1/10W
FB3	1-216-864-11	METAL CHIP 0	5% 1/10W	R55	1-216-809-11	METAL CHIP	100 5% 1/10W
FB6	1-469-144-21	FERRITE, EMI (SMD)		R64	1-216-809-11	METAL CHIP	100 5% 1/10W
< IC >				R65	1-216-819-11	METAL CHIP	680 5% 1/10W
IC1	8-759-699-98	IC uPD63711GC-8EU		R67	1-216-845-11	METAL CHIP	100K 5% 1/10W
IC2	8-759-658-87	IC BA5810FP-E2		R68	1-216-857-11	METAL CHIP	1M 5% 1/10W
IC3	6-703-905-01	IC HD6432238RWN35TEI		R69	1-216-813-11	METAL CHIP	220 5% 1/10W
IC4	6-702-661-01	IC UT62L1024LC-55LLI		R70	1-216-813-11	METAL CHIP	220 5% 1/10W
IC5	6-702-153-01	IC CXD9684R-005		R71	1-216-809-11	METAL CHIP	100 5% 1/10W
IC6	8-759-645-31	IC RN5RZ25BA-TL-FA		R72	1-216-809-11	METAL CHIP	100 5% 1/10W
IC7	8-759-491-50	IC TC74VHCT244AFT(EL)		R73	1-216-809-11	METAL CHIP	100 5% 1/10W
IC12	8-759-196-96	IC TC7SH08FU-TE85R		R74	1-216-809-11	METAL CHIP	100 5% 1/10W
< JUMPER RESISTOR >				R75	1-216-809-11	METAL CHIP	100 5% 1/10W
JR1	1-216-821-11	METAL CHIP 1K	5% 1/10W	R76	1-216-809-11	METAL CHIP	100 5% 1/10W
JR3	1-216-864-11	METAL CHIP 0	5% 1/10W	R77	1-216-809-11	METAL CHIP	100 5% 1/10W
JR5	1-216-821-11	METAL CHIP 1K	5% 1/10W	R78	1-216-809-11	METAL CHIP	100 5% 1/10W
JR6	1-216-864-11	METAL CHIP 0	5% 1/10W	R81	1-216-845-11	METAL CHIP	100K 5% 1/10W
JR12	1-216-864-11	METAL CHIP 0	5% 1/10W	R82	1-216-845-11	METAL CHIP	100K 5% 1/10W
JR13	1-216-864-11	METAL CHIP 0	5% 1/10W	R83	1-216-845-11	METAL CHIP	100K 5% 1/10W
JR14	1-216-864-11	METAL CHIP 0	5% 1/10W	R84	1-216-845-11	METAL CHIP	100K 5% 1/10W
JR15	1-216-864-11	METAL CHIP 0	5% 1/10W	R85	1-216-845-11	METAL CHIP	100K 5% 1/10W
JR17	1-216-864-11	METAL CHIP 0	5% 1/10W	R86	1-216-845-11	METAL CHIP	100K 5% 1/10W
JR21	1-216-864-11	METAL CHIP 0	5% 1/10W	R87	1-216-845-11	METAL CHIP	100K 5% 1/10W
< COIL >				R88	1-216-845-11	METAL CHIP	100K 5% 1/10W
L4	1-216-001-00	METAL CHIP 10	5% 1/10W	R89	1-216-845-11	METAL CHIP	100K 5% 1/10W
L6	1-469-144-21	FERRITE, EMI (SMD)		R90	1-216-845-11	METAL CHIP	100K 5% 1/10W
L8	1-414-398-11	INDUCTOR 10uH		R91	1-216-845-11	METAL CHIP	100K 5% 1/10W
< TRANSISTOR >				R92	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q1	8-729-904-87	TRANSISTOR 2SB1197K-R		R93	1-216-809-11	METAL CHIP	100 5% 1/10W
< RESISTOR >				R94	1-216-809-11	METAL CHIP	100 5% 1/10W
R3	1-216-806-11	METAL CHIP 56	5% 1/10W	R95	1-216-809-11	METAL CHIP	100 5% 1/10W
R5	1-218-344-11	METAL CHIP 7.5K	5% 1/10W	R96	1-216-809-11	METAL CHIP	100 5% 1/10W
R7	1-216-839-11	METAL CHIP 33K	5% 1/10W	R97	1-216-837-11	METAL CHIP	22K 5% 1/10W
R8	1-216-833-11	METAL CHIP 10K	5% 1/10W	R98	1-216-834-11	METAL CHIP	12K 5% 1/10W
R9	1-216-840-11	METAL CHIP 39K	5% 1/10W	R100	1-216-845-11	METAL CHIP	100K 5% 1/10W
R10	1-216-835-11	METAL CHIP 15K	5% 1/10W	R102	1-216-845-11	METAL CHIP	100K 5% 1/10W
R12	1-216-837-11	METAL CHIP 22K	5% 1/10W	R103	1-216-845-11	METAL CHIP	100K 5% 1/10W
R13	1-216-807-11	METAL CHIP 68	5% 1/10W	R104	1-216-845-11	METAL CHIP	100K 5% 1/10W
R14	1-216-841-11	METAL CHIP 47K	5% 1/10W	R105	1-216-845-11	METAL CHIP	100K 5% 1/10W
R15	1-216-841-11	METAL CHIP 47K	5% 1/10W	R106	1-216-821-11	METAL CHIP	1K 5% 1/10W
R26	1-216-806-11	METAL CHIP 56	5% 1/10W	R107	1-216-821-11	METAL CHIP	1K 5% 1/10W
R29	1-216-833-11	METAL CHIP 10K	5% 1/10W	R109	1-216-845-11	METAL CHIP	100K 5% 1/10W
R30	1-216-833-11	METAL CHIP 10K	5% 1/10W	R111	1-216-845-11	METAL CHIP	100K 5% 1/10W
R45	1-216-845-11	METAL CHIP 100K	5% 1/10W	R113	1-216-845-11	METAL CHIP	100K 5% 1/10W
R46	1-216-845-11	METAL CHIP 100K	5% 1/10W	R114	1-216-845-11	METAL CHIP	100K 5% 1/10W
R47	1-216-845-11	METAL CHIP 100K	5% 1/10W	R115	1-216-837-11	METAL CHIP	22K 5% 1/10W
R48	1-216-845-11	METAL CHIP 100K	5% 1/10W	R116	1-216-809-11	METAL CHIP	100 5% 1/10W
R49	1-216-845-11	METAL CHIP 100K	5% 1/10W	R117	1-216-809-11	METAL CHIP	100 5% 1/10W
R50	1-216-809-11	METAL CHIP 100	5% 1/10W	R118	1-216-809-11	METAL CHIP	100 5% 1/10W
R51	1-216-809-11	METAL CHIP 100	5% 1/10W	R119	1-216-821-11	METAL CHIP	1K 5% 1/10W
R52	1-216-809-11	METAL CHIP 100	5% 1/10W	R121	1-216-845-11	METAL CHIP	100K 5% 1/10W
				R124	1-216-837-11	METAL CHIP	22K 5% 1/10W
				R126	1-216-845-11	METAL CHIP	100K 5% 1/10W
				R127	1-216-845-11	METAL CHIP	100K 5% 1/10W
				R128	1-216-845-11	METAL CHIP	100K 5% 1/10W
				R129	1-216-845-11	METAL CHIP	100K 5% 1/10W
				R130	1-216-809-11	METAL CHIP	100 5% 1/10W

SERVO

Ref. No.	Part No.	Description	Remark		
R131	1-216-809-11	METAL CHIP	100	5%	1/10W
R132	1-216-809-11	METAL CHIP	100	5%	1/10W
R133	1-216-809-11	METAL CHIP	100	5%	1/10W
R134	1-216-809-11	METAL CHIP	100	5%	1/10W
R135	1-216-809-11	METAL CHIP	100	5%	1/10W
R136	1-216-809-11	METAL CHIP	100	5%	1/10W
R142	1-216-815-11	METAL CHIP	330	5%	1/10W
R143	1-218-484-11	METAL CHIP	750	5%	1/10W
R144	1-216-812-11	METAL CHIP	180	5%	1/10W
R145	1-216-817-11	METAL CHIP	470	5%	1/10W
R146	1-216-815-11	METAL CHIP	330	5%	1/10W
R147	1-218-484-11	METAL CHIP	750	5%	1/10W
R148	1-216-809-11	METAL CHIP	100	5%	1/10W
R149	1-216-814-11	METAL CHIP	270	5%	1/10W
R150	1-216-821-11	METAL CHIP	1K	5%	1/10W
R151	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R152	1-216-813-11	METAL CHIP	220	5%	1/10W
R153	1-216-818-11	METAL CHIP	560	5%	1/10W
R154	1-216-809-11	METAL CHIP	100	5%	1/10W
< NETWORK RESISTOR >					
RB1	1-233-576-11	RES, CHIP NETWORK 100X4			
RB2	1-233-576-11	RES, CHIP NETWORK 100X4			
< VIBRATOR >					
X1	1-795-520-11	VIBRATOR, CERAMIC (16.9344MHz)			
X2	1-795-127-21	VIBRATOR, CERAMIC (12.288MHz)			

MISCELLANEOUS					

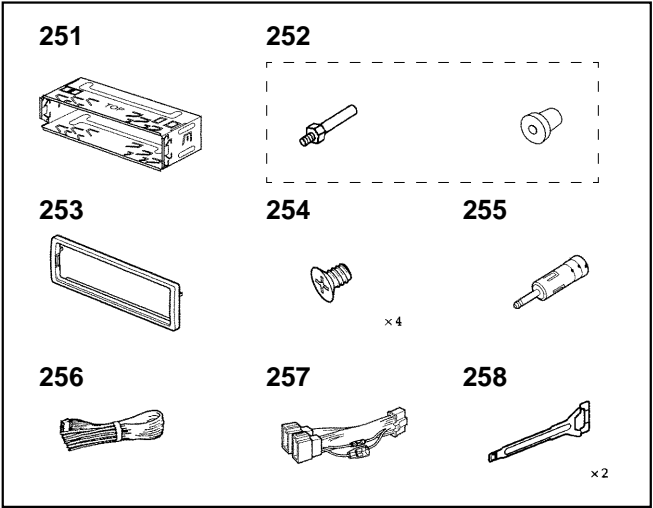
9	1-776-207-82	CORD (WITH CONNECTOR) (POWER) (US,CND)			
9	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER)			
(AEP,UK)					
207	1-823-951-11	CABLE, FLEXIBLE FLAT (16 CORE)			
△ 210	8-820-165-06	OPTICAL PICK-UP KSS-721A/C-RP			
211	1-676-707-11	PICK-UP FLEXIBLE BOARD			
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A			
M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)			
M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)			

ACCESSORIES					

1-476-526-34	REMOTE COMMANDER (RM-X115)				
3-230-047-01	LID, BATTERY CASE (for RM-X115)				
3-251-806-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH)				
(US,CND)					
3-251-806-31	MANUAL, INSTRUCTION (ENGLISH,GERMAN,				
FRENCH,ITALIAN,DUTCH) (AEP,UK)					
3-251-853-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH,				
FRENCH) (US,CND)					
3-251-853-31	MANUAL, INSTRUCTION, INSTALL (ENGLISH,				
GERMAN,FRENCH,ITALIAN,DUTCH) (AEP,UK)					
X-3378-390-3	CASE ASSY (for FRONT PANEL) (US,CND)				
X-3378-490-2	CASE (PANEL) ASSY (for FRONT PANEL)				
(AEP,UK)					

Ref. No.	Part No.	Description	Remark
PARTS FOR INSTALLATION AND CONNECTIONS			

251	X-3382-647-1	FRAME ASSY, FITTING	
252	X-3366-405-1	SCREW ASSY (EXP), FITTING (AEP,UK)	
253	3-246-035-01	COLLAR	
254	3-934-325-01	SCREW (+K 5X8 TP) (US,CND)	
255	1-465-459-21	ADAPTOR, ANTENNA (AEP,UK)	
256	1-776-207-82	CORD (WITH CONNECTOR) (POWER) (US,CND)	
257	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER)	
(AEP,UK)			
258	3-246-471-01	KEY (FRAME)	



The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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MEMO

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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